

SUPERIOR HEIRESS MARRIED

Miss Lillian Dear, Well Known in Deerwood, is Married at Washington, D. C.

The many Superior, Wis., and Deerwood friends of Miss Lillian Roberta Dear, daughter of the late Richard B. Dear, will no doubt be surprised to know that she was married at the home of her mother at the Cairo, in Washington, D. C. Miss Dear married Dr. William Francis Patten, of McBee, S. C., formerly of Washington. The wedding took place at nine o'clock Wednesday evening with only the immediate family and a few Washington friends present. Miss Donahue of Chicago, acted as maid of honor and Dr. Joseph D. Rogers, of Washington, D. C., as best man.

The bride wore an imported creation of white chiffon trimmed with hand embroidery and real lace over white satin, wearing a veil with a wreath of orange blossoms and carrying a bouquet of lilies of the valley. Miss Donahue, the maid of honor, wore a beautiful pink silk crepe meteor trimmed with hand embroidery and rose point lace and carried a large bouquet of Killarney roses. Mrs. Dear wore a very handsome black crepe dress and carried violets and orchids.

The bridal couple left Washington for New York where they expect to remain several weeks, and before returning to their future home in McBee will pay a short visit to Mrs. Dear in Washington.

A LARGE CONGREGATION

Rev. Charles Fox Davis Preaches This Evening at Peoples Congregational Church

That the people of Northeast Brainerd are just as much interested in the union religious movement as those on the north side, was very much in evidence last evening at the People's Congregational church. The church was comfortably full with a most thoughtful congregation who listened with the closest attention to the sermon by the Rev. C. B. Hilton, pastor of the First Baptist church, who discoursed on the responsibility of thinking men and women who reject the Christ, and it was a strong sermon that appealed to the intellect as well as to the emotions.

The special music rendered last evening by Professor Ward Cristy and Miss Ada Newgard in duet form, and the solo by the Rev. M. L. Hostager, was finely sung and deeply appreciated by the large audience.

Tonight's sermon will be preached by the Rev. Charles Fox Davis, who is announced to preach on, "Drifters on the Dead Sea of Life," and the service will commence at 7:45 sharp.

The special music for this evening's service will be a solo by Miss Ada Newgard and a solo by Mrs. Nels

Johnson. The song and praise service will be conducted by the Rev. C. B. Hilton. Service at the People's Congregational church tonight.

COMMUNICATION

Editor of the Brainerd Dispatch:

In your issue of Jan. 16th we note that Messrs. A. J. Swanson, J. W. Johnson, E. R. Hetting and W. I. Storms presented a petition requesting that their names be stricken from a petition presented by us some time ago asking for the investigation of the water and light department. This request of the above named gentlemen was refused by the council, and their action has given rise to considerable talk so that we feel called upon to make a full statement of the facts, so that there can be no misunderstanding.

In the first place Mr. Swanson, Mr. Johnson, Mr. Hetting and Mr. Storm voluntarily and understandingly signed the following power of attorney, which is on file in our office:

"We, the undersigned, citizens of the city of Brainerd, Minnesota, hereby authorize Russell & Barron, attorneys at law, to represent us in the matter of the investigation of the Water & Light Board; and empower them to take in our names and in our behalf whatever steps may be necessary to the end that the books, records, and accounts of the said Water & Light Board may be inspected and examined.

This power of attorney is absolute and irrevocable, it being understood, however, that we bind ourselves in no way for the payment of any sums of money for any purpose whatsoever."

In the second place none of these four gentlemen was asked to sign the petition which was presented to the common council, so that their statement in regard to alterations in the petition are not in accordance with the facts. Presuming that they refer to the power of attorney when they state that the petition was not filed with the city clerk and when presented to the council was not as originally signed, we beg to state that the power of attorney is our authority to represent them, and we were under no obligations or necessity to file this power of attorney with the city clerk. Indeed, it is our duty to keep this power of attorney in our office, where all of the petitioners can have access to it.

That original power of attorney has not in any way been altered by us, and is today exactly as when signed by the above named gentlemen.

What influence is behind these gentlemen, or what pressure has been brought to bear upon them we do not know. They, of course, deny that they have been approached by parties desiring to prevent the investigation of the Water and Light board. Can it be possible that these

men after signing a power of attorney for the purpose of instituting an investigation, fully realizing the meaning of what they did, would afterwards ask that their names be withdrawn?

There has been some discussion in regard to this investigation, and rumors have been industriously circulated to the effect that there was nothing to the investigation of the Water & Light board. Who the individuals are behind these rumors we do not know, but permit us to state that a committee of the common council is making the investigation, and owing to the term of court which has been in session since the 5th day of December, we, as attorneys, have been unable to take active part in this investigation. As to what information has been obtained from the books of the Water & Light board, we consider ourselves bound by the request of members of the committee that nothing be disclosed until the committee makes its report to the council, so that any advance information as to what the committee has found may be branded as absolutely false. And in this connection we wish to say that so far as we are concerned if the investigation discloses no wrong doing on the part of the members of the Water & Light board then we will ask the committee of common council to so report. On the other hand if it is disclosed that the members of the Water & Light board have been guilty of wrong doing we will ask that proper action be taken against such members. In any event the investigation will not be dropped until one or the other of these alternatives has been adopted.

Respectfully submitted,
RUSSELL & BARRON.

Celestial Ingenuity.

"Dr. Wu Ting Fang," said a diplomat, "used to tell me many illuminating anecdotes about the Chinese character. I remember one about ingenuity."

"A Chinaman, the anecdote ran, found his wife lying dead in a field one morning. A tiger had killed her. The Chinaman went home, procured some arsenic, and returning to the field, sprinkled it over the corpse. The next day the tiger's dead body lay beside the woman's. The Chinaman sold the tiger's skin to a mandarin and its body to a physician to make fear cure powders, and with the proceeds he was able to buy a younger wife."—Washington Star.

The Unexpected.

"Say, who is that beefy fellow over there with the remarkably broad shoulders?"

"That's the champion chess player of the college."

"And who is the midget with the red hair?"

"That's the great left end of our football team."—New Orleans Picayune.

HISS PLAYS YOU DON'T LIKE.

Harvard Professor's Scheme to Elevate the Stage.

Professor George D. Baker of Harvard university, head of the Drama League of Boston, believes in drastic measures to force theatrical promoters to produce a higher class of plays. He said that the most expressive manner in which to show the disapproval of a play was by the hissing of persons occupying orchestra seats. Several years ago the hissing might be left to the galleries, but the old gallery attendance now puts in the time at moving picture shows.

Professor Baker said the only manner in which the Drama league could be a success was to have a special committee attend all first nights and after the performance issue a bulletin on the play if it deserved laudable mention. If unworthy of notice in a bulletin, the special committee should lead the hissing. No mention was to be made of the plays hissed, this publicity being left to the newspapers.

Leonardo da Vinci.

Leonardo da Vinci, the celebrated Italian painter, sculptor and architect, died in 1519. He was born in 1452 and became well versed in all the sciences and arts of his time. His most famous picture is "The Last Supper," painted on the wall of a convent at Milan. He is said to have anticipated Galileo, Kepler, Copernicus and others in their astronomical theories and also some of the discoveries of recent geologists, though his views are expressed in somewhat vague language.

BUYS LIVERY STABLE

Leroy Sewall Purchases Joe Weitzel Stable on Front St., Taking Possession During Week

Leroy Sewall has bought from Joe Weitzel the livery business which he has been conducting at 919 Front street, taking over 12 head of horses, carriages and cutters and other stock, acquiring all with the exception of the barn itself.

Mr. Sewall has farmed for years near the Daggett Brook creamery about eight miles south of Brainerd and has had much experience with horses and knows how to handle them. He aims to run a first class livery furnishing good rigs and experienced and capable drivers. Leroy Sewall is a brother of C. J. Sewall who conducts the Laurel street confectionery.

Foley's Honey and Tar Compound

"Cures in Every Case"

Mr. Jas. McCaffery, Mgr. of the Schlitz Hotel, Omaha, Neb., recommends Foley's Honey and Tar Compound, because it cures in every case. "I have used it myself and I have recommended it to many others who have since told me of its great curative power in diseases of the throat and lungs." For all coughs and colds it is speedily effective. For sale by all druggists. mwf

Going Out of Business

We are determined to discontinue business here in Brainerd and must have everything disposed of before the end of 90 days and, in order to do so, must sell our goods below the wholesale cost to us

One buckle 1st grade overshoes go at **\$1.48**
Every pair Guaranteed

500 pairs of Ladies' Shoes at, per pair **\$1.48**
Shoes as high as \$3.50 and \$4.00 in these lots

Every article in this store will be sold before 90 days and so be sure you get your share. Every pair is guaranteed to give satisfaction.

Middlemas Shoe Store

Walker Block

Didn't Need It.

"Have you given Mr. Staleight any encouragement?" asked the impatient mother.

"No, mamma," replied the confident daughter. "So far I haven't found it necessary."

Flattered.

She—When it was given out that his cashier ran off with \$50,000 he didn't seem to mind it at all. He—Is he so rich as not to miss it? She—Well, he was flattered. He never owned \$50,000 in his life.—Flegende Blatter.

REST AND HEALTH TO MOTHER AND CHILD.

MRS. WINSLOW'S SOOTHING SYRUP has been used for over SIXTY YEARS by MILLIONS of MOTHERS for their CHILDREN WHILE TEething, with PERFECT SUCCESS. IT SOOTHES the CHILD, SOFTENS the GUMS, ALWAYS BRINGS CURE, CURES COLIC, and is the best remedy for DIARRHOGA. It is absolutely harmless. Be sure and ask for "Mrs. Winslow's Soothing Syrup," and take no other kind. Twenty-five cents a bottle.

"Sunkist"
Are Sweet,
Seedless,
Juicy Navels

**Oranges Most
Healthful Fruit**

All oranges are healthful, but this **tree-ripened**, full-flavored fruit tones digestion and supplies the required acid like no other. It is impossible to get better oranges than those which come in "Sunkist" wrappers.

They keep well, as each orange comes to you perfect, sound and solid.

Buy them by the dozen, half-box or box during this big week's sale at greatly reduced prices.

RANGE WEEK

BEGINS MONDAY

Huge sale of finest California Navel Oranges. These are the famous "Sunkist" Oranges, the prize crop of California.

Each "Sunkist" comes in a **valuable wrapper**. Save wrappers and obtain beautiful and genuine Rogers' Silverware.

Read full instructions to the right. This special orange-week sale begins Monday and lasts the entire week. Remember,

California "Sunkist"

tree-ripened, hand-picked oranges are the finest in the world and most economical.

Special low prices. Buy in Quantities—by the box or half-box, at all dealers.

Insist on "Sunkist" Wrappers

You will get better fruit at lower prices, and you will get **free Rogers' Silverware** by sending in wrappers along with a few stamps or money order to help pay charges, packing, etc.

"Sunkist" Lemons

Most economical, because most juicy. Thin-skinned, and each comes in a valuable "Sunkist" wrapper. **Big Sale Begins Monday at All Dealers.**

California Fruit Growers' Exchange, 192 N. Clark Street CHICAGO, ILL.

Choose From These Fourteen

"Sunkist" Silver Premiums

Get This Orange Spoon

At right is shown new "Sunkist" Orange Spoon, actual size. Genuine Rogers and of the latest style. Sent you on receipt of 12 "Sunkist" wrappers and 12c to help pay charges, packing, etc. For each additional spoon send 12 "Sunkist" wrappers and 12c.

Read carefully directions at right.

Send for full description, number of wrappers and amount of cash necessary to secure each article.

"Sunkist" Premiums

Table Knife Table Fork
Dessert Spoon
Child's Knife
Bouillon Spoon
Coffee Spoon
Salad Fork
Oyster Fork
Child's Fork
Orange Spoon
Fruit Knife Teaspoon
Tablespoon
Butter Spreader

This Fruit Knife Yours

Made of special tempered steel heavily silver-plated, same high quality as the other "Sunkist" Premiums. Sent on receipt of 24 "Sunkist" wrappers and 20c. For each additional fruit knife send 24 "Sunkist" wrappers and 20c.

Read This Carefully

On all remittances up to 24 cents send one-cent stamps; on amounts above 24 cents send post-office money order, express money order or bank draft. Do not send cash. Make money order or draft payable to the California Fruit Growers' Exchange, and address your letters to the California Fruit Growers' Exchange, 192 N. Clark Street, Chicago, Ill. Not responsible for cash sent through the mails.

You can secure these premiums with "Sunkist" orange wrappers, "Sunkist" lemon wrappers, "Red Ball" orange wrappers or "Red Ball" lemon wrappers. Or merely send trademarks cut from wrappers. If you will buy only "Sunkist" and "Red Ball" oranges and lemons, you will get fruit of the finest eating quality, economically priced, and you will soon have enough wrappers to secure a complete set of the beautiful table silverware.

Extra Special Table Linen Bargains

This Special is pattern table cloths, borders all round, are 66 inches wide and they run between 22 and 3 yards long. Pretty patterns. At \$2.70, the regular price, they are splendid values **\$1.98**
 White sale price.....
 Another! 54 inch wide Cream Union Damask, a regular 50c quality, good patterns. **35c**
 We place this on sale during the white sale at.....
 And Another! All linen cream damask, 58 inches wide, a cloth that will wear excellently **45c**
 This sale at.....

Table Linens, Crashes, Towelings

The excellency of the materials we carry insures all purchasers of splendid bargains. We have made splendid reductions for the White Sale.

66 inch Bleached Table Damask.....	79c	Heavy unbleached Crash at.....	8c
72 inch Bleached Table Damask.....	89c	Fine bleached Crash at.....	9c
Very fine Bleached Table Damask.....	\$1.12	Extra heavy bleached Crash at.....	12c
Our best Table Linen, beautiful patterns.....	\$1.59	Cotton Crash, good widths.....	4c

All pattern cloths and Napkins will be at reduced prices during our White Sale. It is your opportunity to supply your linen closets.

Special in Towels, Wash Cloths, Etc.

It will pay you to select your towels for future use during the White Sale. We will have many.
 17x35 Bleached Huck towels.....17 1/2c
 18x36 Bleached Huck towels.....19c
 30x36 Bleached Turkish towels.....22 1/2c
 Barbers Towels—White Sale.....3 1/2c
 Wash Cloths—the dozen.....35c
 Crystal or double face wash cloths, the dozen.....50c

On Saturday, January 20th, We Begin Our

Eighth January White Sale—"Michael's"

This is the big after Christmas event in Brainerd. Women wait for it—it means splendid selections; it means big savings. We have been months in preparing for it, in the selecting of good bargains and assembling choice materials for you to select from. To stay away means that you will miss much. To come means to profit in purse and selections. Sale ends Feb. 1.

Sheets and Cases

We quote prices on a standard quality of high grade sheets and cases.

42x36 inch pillow cases at but.....	16c
45x36 inch pillow cases at but.....	17 1/2c
50x35 inch pillow cases at but.....	19c
63x90 inch hemmed sheets at but.....	55c
72x90 inch hemmed sheets at but.....	60c
81x90 inch hemmed sheets at but.....	66c
90x90 inch hemmed sheets at but.....	72 1/2c
Hemstitched Cases 5c extra	
Hemstitched Sheets 10c extra	

An Investment

Will you make an investment if you can save 30 per cent on your money? We will give you the opportunity. In ten months you begin to purchase Christmas handkerchiefs again. We have a splendid lot of Imported Christmas Handkerchiefs which we shall offer at the following prices. All, except the cheapest numbers, are the imported Madeira handkerchiefs.

35c Imported Handkerchiefs at 25c
60c Imported Handkerchiefs at 45c
75c Imported Handkerchiefs at 55c
\$1.00 Imported Handkerchiefs at 70c
\$1.25 Imported Handkerchiefs at 95c

White Sale Prices

On Embroidered Linens

The economical woman will find it possible to add largely to her linen supply at a little cost at these prices.

\$6.50 Madeira Embroidered Luncheon sets. Six 6 inch doilies, six 10 inch doilies and one 24 inch doilies	\$4.88
\$10.00 Madeira Embroidered Luncheon sets. Same assortment as in above item. White Sale price	\$7.50
\$15.00 Madeira Embroidered Luncheon sets. Same assortment as above—most beautiful qualities—our White Sale price	\$11.25
\$1.35 All Linen Scalloped Guest Towels—beautiful qualities—our White Sale price	99c
\$2.50 Madeira Embroidered Guest Towels—the most beautiful of these popular towels—our sale price	\$1.88
All Other fine Madeira Embroidered Linens at the same liberal reductions during the White Sale—Come	

Sale Continues until Feb. 1st

If you find it inconvenient to attend the sale during the first days remember that it will continue until February 1st. We have a splendid supply and can care for you well during the entire sale.

Embroideries and Embroidery Flouncings

If Dame Fashion mistakes not there will be more Embroidery and Flouncings used this year than ever before. We searched for bargains—and got them. Now they are yours. We emphasize quality more than widths.

Embroidery Bargains at 10c

There are many 6 and 8 inch embroideries in the lot but the qualities are better than the ordinary—the work is good.

Embroidery Flouncings at 16 1/2c

Yes indeed, 12 inch wide embroidery flouncings, made with excellent patterns and the work is excellent.

Embroidery Flouncings at 25c

Another excellent bargain—15 inch flouncings—pretty designs—the work is finely executed. White Sale price 25c.

Embroidery Flouncings at 40c

You will like these—you can't help it. 16 inches wide with 8 inches of embroidery and beautiful patterns too, at 40c.

Beautiful bands to match at but 25c.

Embroidery Bargains at 8c

Embroideries and insertions which have been offered at 10c the yard and are worth it. Our special White Sale price 8c.

Corset Cover Embroidery at 25c

Yes, you have bought corset cover embroideries cheaper but not this quality. These should sell at 30c and 35c.

Wide Embroidery Flouncings

We will show a most beautiful line of 27 inch and 45 inch flouncings which will be priced at 75c, 85c, \$1.00, \$1.25 and \$1.50 the yard.

Embroidery Flouncing at 65c

27 inch fine Swiss embroidery flouncings—deeply embroidered. They are most excellent at 65c the yard.

And some bands to match at 25c the yard.

5c—Pure Linen Trimming Laces—Extra Special at 5c

NOW! NOW!! NOW!!! If you purchased no other White Sale bargain it would pay you to come for this alone. This lot contains 2000 yards of the popular linen torchon trimming laces from 1/2 inch to 3 inches wide—qualities such as sell up to 7 1/2c the yard. Our white sale price, the yard 5c.

A Half Price Sale of Muslin Undergarments

'Tis unusual to secure muslin undergarments at half price. We have quite an assortment, however, that will sell at this reduction. We selected every garment which showed soiling or musing and will offer them at half their regular selling prices. It is a bargain—a great bargain and you should secure your share. There will be Corset Covers, Chemise, Drawers, Shirts and Gowns. These should appeal to you because they are of the better qualities at the prices of the cheaper ones.

Three Specials in Children's Gowns

Children's Gowns—sized 4, 6 and 8 years—tucked and hemstitched yokes, embroidery trimmed neck—our whitesale price.....**39c**

Children's Gowns—beautifully made—good materials—sized 10, 12 and 14 years. Very prettily trimmed yokes—our white sale price.....**49c**

Children's Muslin Gowns—round yokes—good fine materials—yokes and sleeves lace trimmed—are very pretty 59c are bargains at our white sale.....**59c**

Table Padding

54 inch heavy table padding—another splendid White Sale bargain. We offer this at 39c the yard.

Guest Toweling

15 inch figured or plain linen guest toweling—the regular 50c kind—another splendid White Sale bargain we offer at 39c the yard.

School Handkerchiefs

All linen school handkerchiefs—nothing equals them; they wash as you wish them to wash. Our White Sale price, six for but 20c.

Bedspreads

Yes, and you can buy your bedspreads of us at the new low prices.

Hemmed Spreads—full bed size—good weight—a splendid number. Our White Sale **95c**

Hemmed Spread—quite heavy—pretty pattern—large size. Our White Sale **\$1.35**

Fringed Spread—large size—heavy weight—excellent patterns—the kind you will like—at but.....**\$1.39**

Scalloped Spread—a very good weight—a very pretty pattern. Our White Sale prices at but.....**\$1.49**

Fine Bed Spreads—Fine scalloped, hemmed and fringed bed spreads—a large line—all at White Sale prices.

Val Laces at 8c

We have selected a large lot of pretty designs and good wearing qualities of Valenciennes laces which at 10c were unusually good values. They are mostly matched sets—will be just what you want for your spring sewing and will save you 20 per cent if bought now—Our sale price.....**8c**

These For You

At White Sale Prices

The White Sale is designed for your benefit. Aside from the large line of white goods we will have many bargains among which will be:

\$6.50 White Woolen Blankets—slightly soiled—they will be on sale during the White Sale at but.....	\$3.95
\$9.00 White Woolen Blankets—slightly soiled—think of the bargain you will get—Our White Sale price	\$5.45
65c Lingerie Batiste—45 inches wide—very fine—our White Sale price is but.....	49c
45 Inch Persian Lawn—a fine soft dressy cloth—for graduation and confirmation dresses at.....	65c
30c the dozen for Ries' embroidered medallion letters for undermuslins—during our White Sale for, the dozen.....	19c
60c the dozen for Ries' embroidered madallion letters for undermuslins—during White sale, the dozen...	49c

We Fill Mail Orders

We will fill your mail orders if you cannot attend the sale and remember that no matter how small an article you may want, we are always at your service. Send in your orders.

Lowest Sheeting Prices since 1906

It has been six years since you have such low prices on sheeting. The 15,000,000 bales of cotton raised last year accounts for the prices. You'll do well to purchase for the entire year while these prices are available but come during the White Sale—it closes February 1st.

8 1/2c Good L. L. brown Muslin.....	6 1/2c	7-4 standard brand Bleached Sheeting.....	18c
10 1/2c Fine Bleached Muslin.....	8c	8-4 standard brand Bleached Sheeting.....	20c
12 1/2c Extra fine Bleached Muslin.....	9 1/2c	9-4 standard brand Bleached Sheeting.....	22 1/2c
12 1/2c Cambric—excellent quality.....	9 1/2c	10-4 standard brand Bleached Sheeting.....	25c
45 inch Pillow Tubing at.....	17 1/2c	Unbleached Sheeting 2c the yard less.	
42 inch Pillow Casing at.....	12c	Very special prices on all other brands.	
45 inch Pillow Casing at.....	13c		

Nainsooks, Long Cloths, India Linons and Flaxons

Just the cloths you will want, and such prices—you could not ask us to give you lower ones.

12 yards Nainsook—good quality.....	\$1.39	Fine quality India Linon at.....	10c
12 yards Nainsook—fine quality.....	1.95	Excellent quality India Linon at.....	12 1/2c
12 yards Long Cloth—good quality.....	98c	Exceptional quality India Linon at.....	15c
12 yards Long Cloth—finer quality.....	1.35	Fine sheer quality of Flaxon at.....	13 1/2c

At 3c the yard. We still have a large number of yards of the 10c, 12 1/2c and 15c Embroidery and Embroidery Insertion which were water soaked during our fire last fall. They need a laundrying, which is easily given, and you save 7c, 9c and 12c the yard. Look the lot through. Selling at 3c the yard.

H. F. MICHAEL Co.
 Everybody's Store

A. F. GROVES, M. D.
Practice Limited to
Eye, Ear, Nose, and Throat
GLASSES FITTED CORRECTLY
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LAWYER
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20 years practice in State and
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CITIZENS STATE BANK BLDG.
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Automobile Parties
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HOME MADE SAUSAGES of all kinds
SPRING CHICKENS, SPRING LAMB
We Pay Highest Cash
Prices to Farmers
JACOB KAUPP MEAT MARKET
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In buying Meats, take advantage of
Reductions Offered
BY
C. W. Koering
Sirloin 15c per lb
Porterhouse 15c per lb
Pork Chops 15c per lb
Legs of Lamb and Mutton 15c lb
WE DELIVER TO ALL PARTS
OF THE CITY
C. W. KOERING,
Phone 106
117 Kindred Street, Brainerd

NORTHWESTERN HOSPITAL
DR. JOSEPH NICHOLSON
Chief Surgeon
DR. C. G. NORDIN Eye, Ear, Nose and Throat
Fitting of Glasses a Specialty
Brainerd, Minnesota

**TO FORTUNE DEPOSIT EACH
DEPOSIT DEPOSIT DEPOSIT
DEPOSIT YOU MAKE
DEPOSIT IN OUR BANK
POSIT IS ANOTHER STEP
TOWARD FORTUNE
T AND SUCCESS**
Who gets the money you earn

No one ever reached the top of a ladder, without falling out of a window, unless he climbed it round by round. No man deserves to be at the top who did not honestly climb the ladder round by round. The FIRST STEP toward fortune is your FIRST deposit. Each round after that becomes easier. Finally by patience, perseverance and economy you have acquired a comfortable fortune. This is how EVERY FORTUNE was started.

Do YOUR banking with US.
We pay interest on Time and Savings Deposits

First National Bank
Brainerd, Minn.
Established 1881
Capital and Surplus
One Hundred Thousand Dollars

THE BRAINERD DAILY DISPATCH

By Ingersoll & Wieland

SUBSCRIPTION RATES
One Month Forty Cents
One Year, strictly in advance, Four Dollars

Office in Dispatch Building on 6th St.
Entered at the post office at Brainerd,
Minn., as second class matter

FRIDAY, JANUARY 19, 1912

MINING SUPPLEMENT

The Daily and Weekly Dispatch today issues an eight page supplement devoted to the South Cuyuna Iron Range. The matter therein contained is written by men who are experts in mining matters, and who have an intimate knowledge of the south range, its possibilities and the progress made in its development, and their positive statements as to its magnitude and what its development means to this city, is most gratifying to our citizens. The Dispatch has endeavored at all times to give its readers the very latest and most reliable news of the mining prospects on both the north and south ranges, and the supplement today is in line with that effort. It will in the future, if possible, be more zealous in obtaining and publishing accurate mining information, and the appreciation of the public in the past as shown in an ever increasing circulation of both the daily and the weekly, will no doubt be more liberally extended in the future.

The municipal campaign has been thawed out in Duluth and the candidates for mayor are beginning to open up headquarters.

Eastern sentiment favors the enactment of laws to make marriage more difficult. One more tilt in the high cost of living and further laws on the subject will not be necessary.

The appointment of the superintendent of the Chisholm city waterworks as milk tester by the state dairy and food commission does not have the tendency of allaying the suspicion.

Instructions have been issued from the state labor bureau to all factory inspectors outside the large cities to see that the state law prohibiting minors from frequenting pool halls is enforced.

The Philadelphia Ledger is authority for the statement that all the talk about hostility of republicans to Taff's nomination from Indiana, Ohio, Illinois and the west generally is manufactured sentiment originating from the press agents of a handful of disgruntled politicians, or from the boomers of the "man who would be king."

A recent report of the creamery at Aitkin shows the large amount of money paid by such an institution to the farmers and the benefit it is to the community in which it operates. During the past five years over \$140,000 have been paid the farmers there.

each succeeding year showing an increase. During the year just closed \$39,288 was paid for butter fat.

Statistics and general information have been gathered by the Scientific American to show the average cost of running an automobile, which is a question of wide diversity of opinion. The tabulated figures of this publication show, including depreciation and all other charges, that it costs from 5 to 12 cents per mile to own and operate a car, the larger cars coming just under the latter figures.

A campaign of education is to be taken up by the Minnesota state tax commission through the public press of the state, articles being contributed showing how much money is raised by taxation, the method of raising it and for what purpose it is disbursed. These short articles will be interesting and instructive, the information will be reliable and every tax payer who reads them will gain a knowledge of the process of levy and distribution he should know, and the matter of taxation is of the utmost importance to all. The articles will be published in The Dispatch.

The coming campaign in Minnesota will be minus two valuable assets to the democratic cause, if newspaper report is true. John Lind, the one man the party always banks on, has given notice that he will not become identified with the campaign but would watch it with interest from a distance. He will leave early in May for Europe, where his family have been for some time, and will spend the summer there. Long distance telephones will not be able to reach him at the time of the state convention next fall, and the wires will be cut behind him so that messengers or cablegrams will be useless experiments. Frank Day comes almost in the same breath with the announcement that he has relinquished the chairmanship of the state committee, that he does not intend to return to Minnesota to take part in the next campaign about which so much has been printed.

Lovers of birds and wild animals will be interested to know that the rural mail carriers in the northern states will be given permission to feed birds while on their rounds, permission having been asked of the postmaster general and it is understood will be forthcoming in an order from that department soon. The matter will not be compulsory but will allow of the extra work being done provided the carrier is willing, the idea being that the sportsmen will furnish the seed to be scattered in favorable places along the routes.

The funeral of the late C. G. Mooers, who passed away at Little Falls, was held in Brainerd this afternoon. The body was met at the train by a delegation of Woodmen numbering M. E. Morrison, C. F. Dunnemann, C. H. Lawson, W. A. Clark, Philip Fricker and Stenzel Brose.

LOCAL NEWS NOTES

Turkish baths at Ridley's Gymnasium. 1611f
Harry Carlson is visiting friends in St. Cloud.

E. B. Congdon, of Crosby, was in the city today.

Prof. C. A. Callan went to Aitkin this afternoon.

Linnemann's big clearance sale opens January 20. Don't miss the bargains at Linnemann's. 11

P. H. McGarry, of Walker, was in Brainerd today.

Mrs. M. J. Reilly returned today from a visit at Detroit.

Miss Louise Persson has returned from a visit at Bemidji.

Schmidt's bottle beer, famous for quality. Order a case. Telephone 164. John Coates Liquor Co. 208-1f

Jule Jamison, of Julesburg, was in the city Friday transacting business.

It registered 28 below at the Gull lake government dam early this morning.

F. A. Tanzer, proprietor of the Tanzer hotel at Pequot, arrived in Brainerd Friday.

RELIABLE goods at reasonable prices at M. J. Reis. 1931f

F. G. Schrader, a business man of Pequot, transacted business in the county seat today.

A marriage license was issued to Henry Mauckonen and Mary Kustaava on January 17.

J. T. Kenney, of Duluth, is engaged in legal work and the examination of records at the court house.

DR. BRUNS will be at the Ransford January 23 and 24. Eyes examined free. 1911f

The King's Daughters of the Congregational church will meet with Mrs. Geo. Grewcox Saturday, Jan. 20, 1912.

Rev. Eloy Carlson returned this afternoon from Fergus Falls. The pastor accompanied a patient to the hospital at that place.

The meeting of the Children's Hour



The Geo. F. Murphy Co.

704-706 Front Street "The Store of Quality" Brainerd, Minnesota

will begin very promptly tomorrow at 2:30. Rede Brown will open the meeting with a song.

Rev. S. L. Mitchell, of Sauk Center visited Rev. J. R. Alten, rector of St. Paul's Episcopal church on Friday, returning home in the afternoon.

Get your winter goods, your suit and overcoat, wool shirts and winter cap, at Linnemann's. The big clearance sale starts on Jan. 20. 1t

Mrs. G. E. Brown, Miss Ethel Parker and Clyde Parker went to Miles City, Mont., this noon where they will visit Dr. and Mrs. Brown for a few weeks. Mrs. Brown was formerly Miss Irma Parker.

The dance of the Unity Band, the first big ball given by this organization, takes place at the Citizens State Bank hall this evening. There has been a large sale of tickets and a good attendance is expected.

Get your heavy winter goods at Linnemann's. Take advantage of the sale which starts on January 20. 1t

The small one story structure used as an office by Street Commissioner Barron when buying rock was burned this afternoon at 3 o'clock. A stove desk and other articles were in the place situated at Laurel street and the railway tracks.

Haggard & Brody, of St. Paul, is the name of a new law firm which has engaged office room at Nos. 213, 214 and 215 Iron Exchange building. They have been engaged in the practice of the law for the last ten years and are well versed in general practice.

No charge will be made at the Linnemann sale starting January 20. The prices are so low that cash alone gets these bargains. 1t

At eleven o'clock this morning a special train composed of two Pullmans, a day coach, diner, two baggage cars, a caboose and a freight engine went through Brainerd carrying the Montgomery-Stone opera company on its way from Fargo, N. D., to Duluth.

The first baby born in Barrows, the mining town three miles south of Brainerd, arrived on Friday morning, January 19, 1912. It was a 14 pound boy and the son of Capt. and Mrs. Mathews, of the mining company. The Iron Range Townsite Co. has given the baby a lot in the town.

The Christian Endeavor society of the First Congregational church will serve an oyster supper Saturday evening, January 20, at Walker hall. Supper 25 cents.

The funeral of the late C. G. Mooers, who passed away at Little Falls, was held in Brainerd this afternoon. The body was met at the train by a delegation of Woodmen numbering M. E. Morrison, C. F. Dunnemann, C. H. Lawson, W. A. Clark, Philip Fricker and Stenzel Brose.

Quite a calamity occurred in the shipment of some freight which arrived in the city this morning. One car was laden with soap and the other with fruit. There were two stoves in the soap car and a lot of red hot soap and no heating apparatus in the fruit car which carried a lot of frozen lemons.

There has been some changes at the Northern Pacific railway depot. Sam Engbretson, formerly ticket agent, has been promoted to the position of cashier of the freight depot. C. Bruhn, formerly cashier, is now warehouse foreman. W. B. Lutz, of St. Paul, is the new day ticket agent.

A freight car acted in an obstreperous manner last night while being switched around and like a young colt it tossed around and upset itself, skidding across the South Sixth street crossing and then falling on its side, spilling its contents of ties and leaving its trucks on the tracks. No damage was done to the track and the car is not injured and its contents were easily gathered up.

Con O'Brien and Senator C. D. Johnson have returned from Fargo, N. D., where they attended the democratic love feast and heard Judson Harmon, governor of Ohio; Governor Burke, of North Dakota and other eminent leaders expound the principles of democracy while the thermometer registered 30 below. So great

were the crowds in Fargo that the Brainerd delegation found not a single cot or bed to sleep in and with hosts of others had to stand around and visit until train time.

SICK, UPSET STOMACH

A Little Diapiesin Will Make Indigestion, Heartburn or Dyspepsia Go in Five Minutes

If you had some Diapiesin handy and would take a little now your stomach distress or indigestion would vanish in five minutes and you would feel fine.

This harmless preparation will digest anything you eat and overcome a sour, out-of-order stomach before you realize it.

If your meals don't tempt you, or what little you do eat seems to fill you, or lays like a lump of lead in your stomach, or if you have heartburn, that is a sign of indigestion.

Ask your pharmacist for a 50-cent case of Pape's Diapiesin and take a little just as soon as you can. There will be no sour risings, no belching of undigested food mixed with acid, no stomach gas or heartburn, fullness or heavy feeling in the stomach, nausea, debilitating headaches, dizziness or intestinal griping. This will all go, and, besides, there will be no undigested food left over in the stomach to poison your breath with nauseous odors.

Pape's Diapiesin is a certain cure for out-of-order stomachs, because it prevents fermentation and takes hold of your food and digests it just the same as if your stomach wasn't there. Relief in five minutes from all stomach misery is at any drug store waiting for you.

These large 50-cent cases of Pape's Diapiesin contain more than sufficient to thoroughly cure almost any case of Dyspepsia, indigestion or any other stomach disturbance.

VAGARIES OF THE TIDE.

Mysterious Currents, the Secrets of Which No One Has Solved.

There are as many vagaries in the waters as in the winds. Why, for instance, should great ocean currents send their warm waters across the wide Pacific and Atlantic? Other and equally mysterious currents exist in well nigh all parts of the world.

It is on record that the sea has run for weeks out of the Java sea, through the straits of Sunda and thence back again for a like period without any perceptible rise and fall during those times.

Then there is the equatorial current that flows into the Caribbean sea, the ever flowing current to the eastward around Cape Horn, the cold stream flowing from the icy regions of the north past Newfoundland and Nova Scotia and along the American coast to the extreme end of Florida, the continual current running with a velocity of from four to five knots an hour through the strait of Gibraltar into the Mediterranean sea, the swift current running across the rocks and shoals off the end of Billiton Island which apparently starts from nowhere and ends somewhere in the vicinity of the same place, and the current which starting halfway up the China sea runs from two to three knots an hour to the northeast and finally ends abruptly off the north end of Luzon.

Then we have those tidal vagaries known the world over as bores. Those that run up the Hugu and Irrawadi rivers, from side to side, till they reach their limit, often tearing the ships from their anchorage, originate nobody knows where or why.

At Singapore it has been observed for days at a time that there has been but one rise and fall in the twenty-four hours.—Boston Globe.

Currents.

The stalks may be quickly removed from currants by well flouring the hands and rubbing the currants as hard as possible between them. This takes much less time than picking them separately and is quite as effective.

How's This

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure. F. J. CHENEY & Co., Toledo, O. We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions, and financially able to carry out any obligations made by him.

WALDING, KINNAN & MARVIN, Wholesale Druggists, Toledo, O. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Testimonials sent free. Price, 75c per bottle. Sold by all druggists. Take Hall's Family Pills for constipation.

"The White Front Dry Goods Store"

Brainerd's Brightest and Best Bargain Shop

Fine Dry Goods, Notions, Garments

"Of Course" When you go to Brainerd you must go straight to "Murphy's" if you want the best.

EMPRESS

THAT SHOW THAT SATISFIES
Where Everybody Goes
THURSDAY, FRIDAY and SATURDAY

Billy Vernon

And His

Harmony Chorus

In Two of the Latest Song Hits

"LOVE ME DEARIE" And
"I'VE A GARDEN IN SWEDEN"
From "Little Miss Fix-It"

"Madge of the Mountains"

A Mountain Romance of Remarkable beauty

"Aunt Janes Legacy"

One of those humorous Lubin Comedies

"Black Arrow"

An Edison Drama of Merit

FOLLOW THE CROWDS

GET THE EMPRESS HABIT

ADULTS 10 CENTS

CHILDREN 5 CENTS

7:30 P. M. CONTINUOUS
SHOW—10:30 P. M.3:00 P. M.—MATINEE
SATURDAY—3:00 P. M.

Scotland.

In Scotland there are only forty-six filletate males and eighty-two females in 1,000 of each sex.

At Bane's

Some bargains that out of town people have told me to sacrifice and sell:

Eighty acres in Sec. 1, St. Mathias \$ 600.00
Fine house and barn, three lots, corner Fir and Broadway \$1600.00
Forty three acre vegetable and chicken farm, buildings and fruit trees.

One hundred and fifty acre lake shore property, 1/2 mile lake shore, one mile from station.

Lake shore lots on Cullen, Clearwater and other beautiful lakes.

Lots in BARROWS will double this summer. The Barrows mine will be taking out ore in a few months.

I can sell your house or farm if the price is reasonable.
List it now—No sale, no cost to you.

E. C. Bane's Real Estate Agency
Bane Block, Ground Floor.

NO OTHER STOVE DOES THIS

Cole's Hot Blast Heater maintains a continuous fire; also a steady, even heat. It will hold fire from Saturday night until Monday morning (48 hours). It will hold fire over night with less coal than any other stove. Open the drafts in the morning and the rooms are quickly heated with the coal put in the night before. Come in and examine Cole's Original Hot Blast Heater. Price \$12.00 and up, according to size. (R-11)

WHITE BROS.

Contractors and Builders

Shop Work

Plans and Specifications Furnished

Hardware

We Carry a Complete Stock

Weather Strips are in Order

We carry them.

616 Laurel Street

TO LECTURE ON POTATO CULTURE

C. E. Brown Will Speak at Commercial Club This Afternoon to Large Gathering

HAS A FARM AT ELK RIVER

Elk River in 1911 Shipped \$250,000 Worth of Early Ohio Potatoes From That District

C. E. Brown will this afternoon lecture at the Commercial club on the subject of potato culture and will address a large gathering of business men and farmers and other citizens of the county interested in this vital matter. Potatoes have really built up communities.

"The town of Elk River," said Mr. Brown in an interview this noon, "shipped over \$250,000 worth of Early Ohio potatoes in the year 1911. The price averaged as a rule \$1 per bushel. A price of \$1.40 held good early in the season and for several weeks the farmers received that record price."

Mr. Brown has a farm near Elk River and has been engaged in farming for the last 20 years. For the last two years he has been engaged in the university extension work and later and at the present time is doing demonstration farm work.

Elk River farmers first raised potatoes for a starch factory which had been instituted in that town and the first contracts years ago were made to furnish the factory with potatoes at 30 cents a hundred weight or about 18 cents a bushel. The factory burned down later. The growing movement had been started and the farmers looked about for a place to market their product and through co-operation and the raising of the same grades of tubers a fine market was established and the footings for 1911, \$250,000, show how successful the farmers were.

The farms are all small ones about Elk River. Farmers plant from 5 to 40 acres with potatoes. The average yield is about 125 bushels to the acre. Early Ohio are grown exclusively. Potatoes are sent wherever there is a shortage, although the principal shipments are made to Chicago, Kansas City and St. Louis.

In his lecture this afternoon Mr. Brown will take up the history and development of the potato culture and marketing movement throughout the northwest in the last 20 years; the better methods in seed selection and cultivation; the question of better markets, etc.

Hand in hand with advanced methods in potato culture goes diversified farming, the cultivation of clover and the keeping of dairy cows.

Potatoes, in a way, led to the growth of the dairy industry at Elk River and today the cooperative creamery at that point is the third largest in the state in point of production.

Potatoes are a source of wealth to a community and it behooves business men and farmers to foster this movement and to do all possible to assist in the expansion of that idea in Crow Wing county.

Charles Durham, Lovington, Ill., has succeeded in finding a positive cure for bed wetting. "My little boy wet the bed every night clear thro' on the floor. I tried several kinds of kidney medicine and I was in the drug store looking for something different to help him when I heard of Foley Kidney Pills. After he had taken them two days we could see a change and when he had taken two thirds of a bottle he was cured. That is about six weeks ago and he has not wet in bed since." For sale by all druggists. mwf

DISPATCH WANT ADS PAY

IN THE DISTRICT COURT

Third Avenue Paving Case Bids Fair to Last the Balance of This Friday

At the district court the Third avenue paving case, as it is popularly termed, is still on trial. On Thursday afternoon City Engineer F. A. Glass, his assistant Henry Brundrett, and President of the council, C. B. Rowley were on the stand giving testimony in regard to the paving. On Friday morning Mr. Rowley, Alderman James M. Elder and Henry Brundrett gave testimony and the defendant rested.

Frank Miller was called by the plaintiff and sworn in rebuttal. It is expected to finish the presentation of the case by the time court adjourns this evening.

REAL ESTATE TRANSFERS

January 17.

J. L. Drury and wife to John J. McAuliffe se of se and lot 5 of 31-137-25, wd, \$1246.

John P. Hollihan and wife to Wm. Burgess und. 1/4 int. in ne, e 1/2 nw, e 1/2 sw, w 1/2 se of 1-136-26 wd, \$1770.

January 18.

Samuel S. Betts widower, to Wm. F. Hildebrandt e 100 ft. lots 1 and 2 blk. 80 wd \$1 etc.

H. H. Baker and wife and E. C. Bane and wife to Wm. P. Bartsch lots 3 and 4 blk. 196 wd, \$1 etc.

Julian H. Heberling and wife to Frank L. Hill and James E. Gearey lot 4 and sw of se (less 1-3 mineral int. in sw of se) of 27-138-27, wd \$1200.

Werner Hemstead and wife to Wm. Burris sw of nw of 36-45-31, wd, \$1600.

Thomas Keating and wife to Mary B. Anderson lots 1, 2 and 3 of sub. of se of se of 13-46-29, wd, \$1 etc. Fred C. Kerr and wife to Wm. Burris lots 3 and 4 blk. 6, Sleeper's Park Addn. wd, \$1600.

Notice

The following town of Allen orders are due and payable and interest on same will cease Feb. 1st:

Road and bridge fund, Nos. 395, 479, 713, 725, 416, 520, 708, 721, 467, 562, 638, 723.

General fund, Nos. 182, 183, 185, 186, 190, 191, 192, 193, 194, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214.

JOHN STEES,
Town Treasurer.

The Danger of LaGrippe

Is its fatal tendency to pneumonia. To cure your lagrippe coughs take Foley's Honey and Tar Compound. R. E. Fisher, Washington, Kas., says: "I was troubled with a severe attack of lagrippe that threatened pneumonia. A friend advised Foley's Honey and Tar Compound and I got relief after taking the first few doses. I took three bottles and my lagrippe was cured." Get the genuine, in the yellow package. For sale by all druggists. mwf

Mistakes.

To make mistakes is human. Everybody makes mistakes, the best of us included. To acknowledge mistakes is commendable. It is evidence that one is learning by experience, and it shows that he has the courage to acknowledge a blunder. Courage is a rare quality in these days.—Leslie's.

Badly Expressed.

"Yes, Aunt Mary went out without her rubbers, and now she is in heaven." "My, my! What dreadful things result from a little carelessness!"—Exchange.

The Wrong Man.

"Just a minute, old chap. You're just the man I want to see." "No, I'm not. I can't spare a cent."—Pittsburgh Post.

If your eyes are always cast down, cobwebs will gather on the ceiling.

MUSIC AND DRAMA

At the Opera House

Cora Mel Patten has been, for many years, a successful teacher of literature and expression. Her platform work is the outgrowth of study and experience. Through the Marden School, which has attained national prominence for the quality of its work; through her annual summer school for professional teachers and readers; through her lectures and recitals before clubs and educational gatherings—Miss Patten is recognized as one of the leading advocates and promoters of the art of reading. Through fine understanding, spiritual energy and earnestness of soul, she vitalizes and illuminates the printed page. Her aim is to interpret literature as she finds it and she is never afraid to present the truth as she sees it. Miss Patten is a thinker. She is original in her conception of life and literature. She believes that the interpretation of literature offers a broad field for the cultivation of the emotions; that the freeing of the emotional nature by means of art should deepen and broaden thought; that the combined play of thought and feeling should quicken the sympathies and stimulate the will, and that the individual life of the listener is thus given a vital impetus toward that which is highest and best.

Miss Patten's repertoire is most extensive. She interprets almost exclusively the great modern dramas, which present the problems that vex and interest society today. She has steadily refused to give anything but the best literature, and what is much more significant, she has succeeded in making the best, popular. She adds each season to her repertoire from smaller communities the popular dramas, that are being staged in the cosmopolitan centers. She is so versatile that she is in herself an entire company of players. She interprets the master works of Ibsen, Hauptmann, Maeterlinck, Browning, Wagner, Phillips, Yeats, Shaw, Echegaray, Rostand, Synge, Galsworthy, Besier, Strindberg, Mackaye, Kennedy, Peabody, Dargan and Brown. She brings home to her hearers the great ethical truths and beauties of these dramas in a manner deeply impressive and highly entertaining.

Miss Patten has a message and she knows how to deliver it. She is an artist, keen in vision and fearless in execution, promoting ideals that are wholesome, inspiring, compelling in their power.

Miss Patten appears at the opera house Monday evening January 22. Prices: 75, 50 and 25 cents. School children, any seat in the house 25 cents. Advance sale and reservation of seats at opera house box office commencing Saturday, Jan. 20, at 1:30 p. m.

Foley Kidney Pills

always give satisfaction because they always do the work. J. T. Shelmut, Bremen, Ga., says: "I have used Foley Kidney Pills with great satisfaction and found more relief from their use than from any other kidney medicine, and I've tried almost all kinds. I can cheerfully recommend them to all sufferers for kidney and bladder trouble." For sale by all druggists.

One Use For Steam.

"Papa," said the hopeful youth, "can you tell me what is natural philosophy?"

"Of course I can," said papa, proud and relieved to find that there was at last something he could tell his offspring. "Natural philosophy is the science of cause and reason. Now, for instance, you see the steam coming out of the spout of the kettle, but you don't know why or for what reason it does so, and"—

"Oh, but I do, papa," chirped the hope of the household. "The reason the steam comes out of the kettle is so that mamma may open your letters without your knowing it."—London Answers.

Musical Club Program

The program of the Brainerd Musical club for Saturday, January 20th, is from the opera, "Haensel und Gretel," of Humperdinck.

1. A general description, with a word of the author, the style of the music and the story by Mrs. E. L. Ludwig assisted by Mrs. H. G. Ingersoll.

2. Piano solo, "Potpourri," medley of themes of the opera Mrs. H. G. Ingersoll

3. Vocal solo, Lied, "Suse Hebe Suse," (Susy, Little Susy) Mrs. Nels Johnson.

4. Vocal solo, "Lied Des Sandmaennchen" (Sandman's Lullaby) Mrs. Nels Johnson

5. Vocal duet, "Abendsegen," (Evening Prayer) Mesdames Johnson and Ludwig

6. Vocal solo, "Lied Des Taumae-nchen" (Song of the Dew Fairy) Mrs. Nels Johnson

7. Piano solo, "Knusperwalzer" waltz Miss Nell Fie Alderman

Mrs. Howard G. Ingersoll, accompanist

M. W. A. Notice

For the convenience of the members I wish to announce that I will be at H. W. Linnemann's store on pay nights and also Saturday nights for the purpose of collecting dues.

M. E. MORRISON,
Clerk.

Do not allow your kidney and bladder trouble to develop beyond the reach of medicine. Take Foley Kidney Pills. They give quick results and stop irregularities with surprising promptness. For sale by all druggists. mwf

PILES CURED IN 6 TO 14 DAYS

Your druggist will refund money if PA-ZO OINTMENT fails to cure any case of Itching, Blind, Bleeding or Protruding Piles in 6 to 14 days. 40c. mwf

A Poet's Custard Bath.

A custom which has now disappeared used to afford much amusement to the guests at the banquet on lord mayor's day. In the household of the lord mayor there existed the offices of fester and city laureate. On the day of the feast a huge quaking custard was made in a dish as large as a bathing machine. It was the duty of the laureate, clad in official garb, to spring from his chair into the depths of the custard, splashing the contents over the table and the nearest guests. In return for this feat the laureate was allowed to eat as much of the custard as he wished, which was probably very little.—London Tatler.

EDISON MAKES PREDICTION.

Electrification of Railroads Coming, and Soon, Too, He Says.

"There is one great thing coming," said Thomas A. Edison, "and that is electrification of the railroads. That is coming, and soon too."

He then spoke of his latest inventions.

"Concrete furniture will be a success," he said. "Motors will be improved so that they will be in constant service, and a purchaser will need only one in a lifetime. The talking moving picture is going to put the theaters out of business."

"I am not all in yet and hope to give the world a few more ideas before I go into the hereafter."

World's Biggest Steel Pipe Order.

The largest order for steel pipe ever placed in the world, it is believed, has been let by a Calgary (Alberta) firm, which has ordered from the United States Steel corporation 300 miles of pipe at a cost of about \$3,000,000, to carry natural gas from Row Island to Calgary.

Foley's Honey and Tar Compound

is a reliable family medicine. Give it to your children, and take it yourself when you feel a cold coming on. It checks and cures coughs and colds and croup and prevents bronchitis and pneumonia. For sale by all druggists. mwf

Our White Sale Advertisement

On another page—Read it

"MICHAEL'S"

"MICHAEL'S"

M. W. A. Attention

I will be, at A. K. Luken's store Saturday afternoons and evenings, also pay day nights. Assessment 270 is due and payable this month.

L. T. NOGGLE,
Assistant Clerk.

RESOLUTION

Be it Resolved, that the Water & Light Board be and they hereby are authorized to purchase one car load of four inch and six inch cast iron water main, and that they be and hereby are authorized to pay coal bills in excess of Five Hundred (500) Dollars upon the present contract with John Larson until the first day of August, 1912.

Adopted January 15, 1912.
C. B. ROWLEY,
President of City Council.

Attest:
V. N. RODERICK,
City Clerk.

Approved January 18, 1912.
H. P. DUNN,
Mayor.

Published January 19, 1912.

"MICHAEL'S" WHITE SALE

A Yearly Event at This Popular Store Which Attracts Great Crowds

On another page will be found a full page "Ad" announcing "Michael's" Eighth Annual White Sale.

This is the great event at this store and the store never looks prettier than when it is all trimmed in white. The sales ladies wear white waists and the effect is most pleasing.

The ad is a most metropolitan one in every particular and will prove of interest to many who are interested in this art.

WELL DEVELOPED, STRONG AND HEALTHY

"Our little daughter is now three months old and is doing nicely on

MELLIN'S FOOD

I have successfully raised four children on Mellin's Food and they are all unusually well developed, strong and healthy. We owe it all to the good start on Mellin's Food and sincerely believe it is the most valuable food in the world. Have gladly recommended it to many mothers."

Mrs. Sidney J. Wood, 488 Lancaster St., Leominster, Mass.

Write for a free sample of Mellin's Food to try.

MELLIN'S FOOD CO. • BOSTON, MASS.

WANTS

Notices under this head will be charged for at the rate of one cent a word for the first insertion and on half a cent a word for each subsequent insertion, strictly cash in advance, but no ad will be taken for less than fifteen cents.

HELP WANTED.

GIRL WANTED—Depot Lunch room. 191tf

WANTED—A dishwasher at the Antler's hotel. 190tf

WANTED—A woman to work by the day at the Windsor hotel. 191tf

WANTED—A girl for general housework. Apply to Mrs. Hemstead, 403 4th street. 190tf

FOR SALE

FOR SALE—A two cylinder 12 H. P. air cooled gas engine with high tension Bosch magneto in good condition, cheap. Archie Halladay, 516 Oak St., N. E., Phone 443. 19214

FOR RENT.

FOR RENT—Furnished rooms, 507 Kingwood St. 182-tf

Furnished flat for light housekeeping in the Pearce block. 191tf

FOR RENT—House at 511 Norwood St. Apply to J. S. Gardner. 18916p

FOR RENT—Modern furnished rooms, with or without board, or for light housekeeping, 703 North Sixth street. 19214p

MISCELLANEOUS

WANTED—Nursing. Call 607 South Ninth. 18616p

LOST—A pocket book containing small sum of money. Return to L. M. Koop's store. 192tf

WANTED—Copies of the Brainerd Dispatch (weekly) of Oct. 20th. 25 cents will be paid for each copy. Bring to the Dispatch office.

ENGINEERING

F. A. GLASS—Mining Engineer and Surveyor. Direction of Explorations, surveys, plans, estimates reports.

THE GRAND THEATRE

THE THEATRE BEAUTIFUL

Continuous Performance 7:30 to 10:00. Admission 5 and 10c Special Matinee Saturday at 3:00 P. M.

"Mutt and Jeff Break Into Society"

This is the funniest of the series that we have had. Mutt gets a job as chauffeur but his machine goes wrong and little Jeff takes the wheel and spins away with the society girl. It's a scream.

"The Best Man Wins"

Here is a dandy comedy drama with many amusing scenes, including the plowing bee. It is both amusing and exciting.

"The Portrait"

A very convincing little drama of the artist and the model.

Two Beautiful Songs by

Mr. Al. Mraz

Coming soon—"Dr. Jekyll and Mr. Hyde"—Watch for the date There is always something special at the GRAND.

Cora Mel Patten

LITERARY INTERPRETER

CHICAGO

At The

Brainedd Opera House

Monday Eve., Jan. 22

At 8:30 O'clock

Attraction Extraordinary

Not a Going Out of Business Sale

Not a Force Sale

Not a Fire Sale

But a Sale that is a Sale and Prices that are Sale Prices. Pictures

that are worth Five Dollars are selling at Two Dollars and Fifty

Cents Those worth Two Dollars are selling at One Dollar. We do

not change the price mark but cut the price in two.

This sale began Jan. 18th and lasts for one week or until the goods are gone.

Losey & Dean

A New Year and

A New Plumbing Equipment

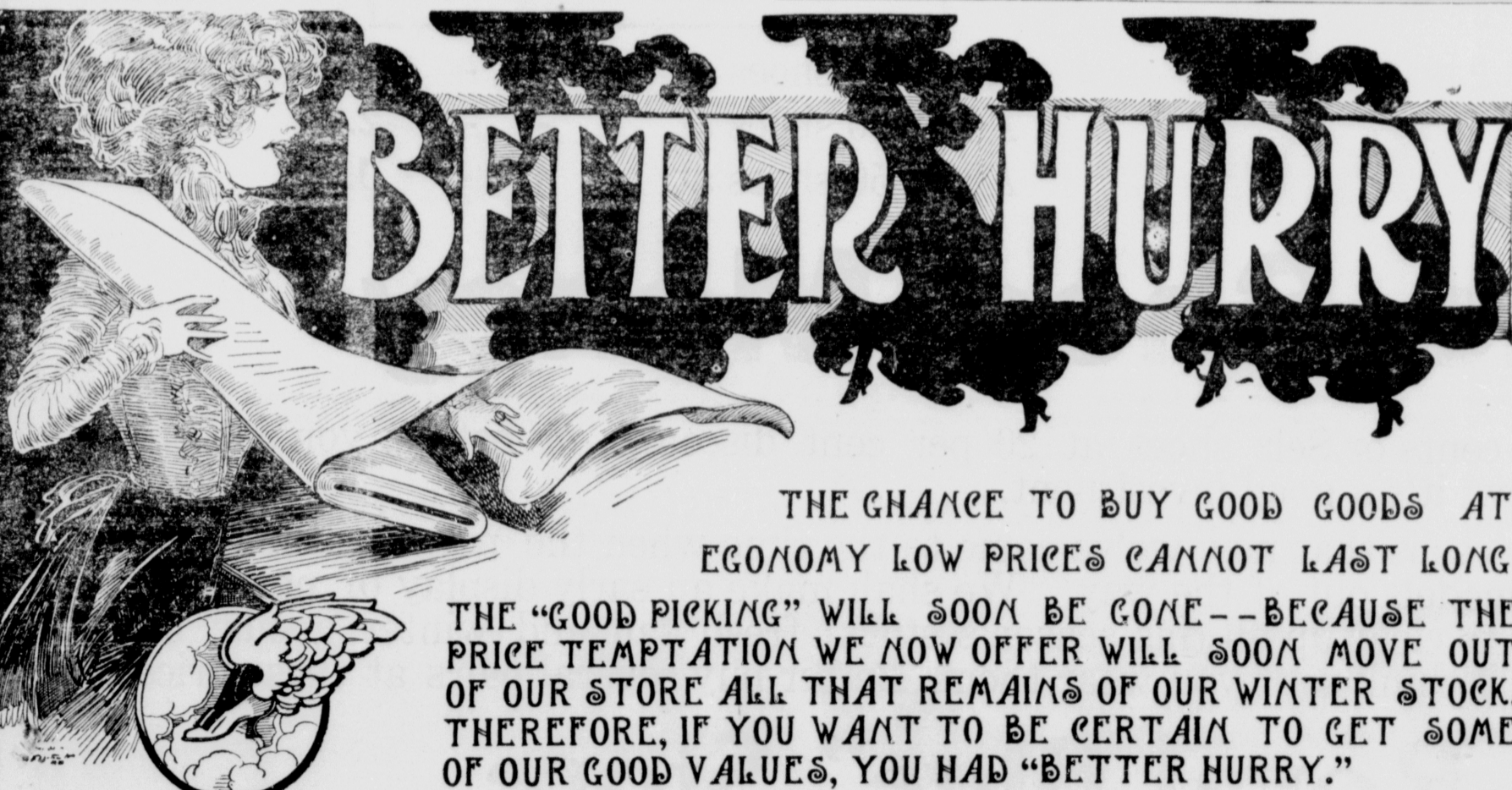
Resolve now that this coming year will show an added convenience in the sanitary equipment of your home.

Carry out the resolution most advantageously by having us install "Standard" guaranteed bathroom fixtures, a kitchen sink or a set of laundry trays in the most scientific manner.

Slipp-Gruenhagen Co.

Phone 104

217-219 Seventh St. So.



BETTER HURRY

THE CHANCE TO BUY GOOD GOODS AT ECONOMY LOW PRICES CANNOT LAST LONG

THE "GOOD PICKING" WILL SOON BE GONE--BECAUSE THE PRICE TEMPTATION WE NOW OFFER WILL SOON MOVE OUT OF OUR STORE ALL THAT REMAINS OF OUR WINTER STOCK. THEREFORE, IF YOU WANT TO BE CERTAIN TO GET SOME OF OUR GOOD VALUES, YOU HAD "BETTER HURRY."

20% Discount on our Entire Stock

L. M. KOOP
"The Popular Store"

STEERING A BOAT.

The Rig of the Tiller Ropes Often a Source of Danger.

A CURIOUS LACK OF SYSTEM.

On Some Vessels the Chains Are Crossed, and on Others They Are Straight, and This May Mean Serious Trouble With a Strange Hand at the Wheel.

A bronzed pilot was carefully nursing a big Atlantic liner through the murk and confusion of early morning and innumerable passing craft up the crowded waters of New York bay. The ship was crowded with passengers, most of whom had risen betimes to watch their homecoming. A tense expression, brought on by the tremendous responsibility, cast its grim lines over the pilot's face as he turned into the lower Hudson river and saw a dense fogbank creeping down from the Palisades. Three miles still to go, and 3,000 lives in his hands! Slowly he crept along, almost touching a ferry load of commuters, just skipping a triple tow of sand scows, threading his way through the maze of vessels big and little; the fog, denser and more dense, making it impossible to see the shadow of nearing craft more than a couple of lengths away.

Suddenly a departing liner, just hauled out into the stream, loomed up off the starboard bow. The pilot turned ghastly white. "My God! Crossed chains or straight chains? Crossed—or—straight? Heaven help me!" In almost instant desperation he called "Hard aport!" the quartermaster swung the wheel over—and the huge floating hotel slowly turned out and glided by, almost scraping the other.

"Crossed chains—straight chains?" What does this mean? It means this—that there is no invariable rule or system of arranging the tiller ropes on vessels so that the latter always move in the same direction in response to a similar turn of the wheel. If equipped with "crossed chains" the craft will turn the opposite way; if with "straight chains" the wheel must be turned in the same direction the vessel is desired to go. Most ocean vessels are equipped with straight chains, though this is by no means an invariable custom. Sailing craft may be and are fixed either way. On the other hand, harbor boats, including tow-boats, tugs, etc., generally have crossed tiller ropes.

Thus our pilot friend had spent most of his nautical life aboard tugs and other inland boats and when confronted with a crisis of great responsibility wavered momentarily between the influence of his habit of twenty years and the newly acquired information given him as he went aboard. It was just by the sheerest chance that he ordered the wheel turned the correct way.

An able ocean seaman signed for a round trip from Buffalo to Duluth and

asked if he could handle the wheel, was sent to the pilot house. They were already under way, and, not being familiar with the uncertainties of steering gear, he neglected to ask the usual question, "Crossed chains or straight chains?" The coal steamer neared a scow load of bricks. "Hard aport!" called the mate. The helmsman flung his wheel to starboard, as he had been used to do on the high seas, and his vessel bore down upon the unsuspecting tow. "Hard aport, you idiot!" yelled the mate. "Don't you know this boat has crossed chains?" He reversed the wheel and missed the scow by a bare graze.

Such incidents as these are by no means rare in navigating experience, though fortunately serious accidents therefrom are uncommon either because of a benignant fate watching over befuddled men at the wheel or because they instinctively follow the new conditions and turn the helm in the right direction. Pilots themselves scoff at suggestions of danger, saying that a real seaman's instinct will always save him from making mistakes. All the same, a man experienced in handling vessels of their own particular character is generally standing by the newcomer at the wheel for safety's sake.

A more common danger, as far as the general public is concerned, is the universal lack of unity in arranging the steering apparatus on motorboats. Most of these craft are exceedingly small, and the tiller ropes are put in at the beginning of every season by the owners themselves, to suit their own particular notions. So, in every flotilla will be seen steering gear of every description, from simple tillers to elaborate brass mounted wheels, the latter with either crossed or straight chains, as individual fancy may dictate. This is safe as long as the owner or one used to the craft is at the wheel, and not many accidents are reported in such circumstances. But accidents have resulted when an amateur used to crossed ropes has steered a boat oppositely rigged.

But when one used to a launch with "crossed ropes" requiring turning the wheel opposite to the direction the boat is to go takes the wheel of an automobile, then the passengers are fortunate indeed if they are not put into perilous situations; for motorists are not always provided with the "safe instinct" ascribed to experienced seamen, and autos move in the same direction the wheel is turned.

However, crossed chains and straight chains will probably go on their own sweet irresponsible existence for just as long as some great catastrophe is not put up to their lack of regulation. —C. W. Jennings in New York Tribune.

The Word Umbrella.

The English word umbrella is very like the Latin, coming through the Italian "ombrella," or "little shade." The French, German, Spanish and others give it a distinctive name, such as "parapluie," "regenschirm" and "paraguas." "Umbrella" and "parasol" are etymologically precisely the same thing, but custom has given them the distinctions that we understand today.

STENCIL LETTERS.

Used by Writers and Illuminators in the Early Ages.

Movable characters were known to the ancients. They were used in teaching children to read. The ancients had also stencil letters, which they used to secure a regular style of penmanship. They even made use of plates, thus open cut, containing an entire page. It was placed on the papyrus to guide the pens of children. "an excellent means," saith Quintilian, "to learn them not to exceed the desired proportions." The Emperor Justinian (A. D. 518) could neither read nor write, an unexampled thing in one of such high rank. When it was necessary for him to sign his name he had a sheet of gold through which were cut the letters of his name. "Then," said Procopius, "placing this tablet on the paper, one conducted the hand of the prince, holding the stylus dipped in purple on the type of the different letters, and took away the writing furnished with his signature." The same thing is reported of King Theodorice and of Charlemagne.

In the middle ages the illuminators and decorators made much of such tablets for tracing involved initial letters and even in a way composed entire works, such as copies of the plain songs, etc. A chartered abbey near Mayence possessed some sixty of the alphabets cut in leaves of latoun, a copper alloy. Later these patterns were replaced by stamps whose imprint is proved by the evidences on the reverse of the page as early as the thirteenth century. In 1288 the monks of Fribourg published a treatise relating to money in this way, and it seems, according to a passage in Pliny and another in Petronius, that these stencils were used to publish figures and designs as well.—Charles W. Hall in National Magazine.

SUPREME COURT GOWNS.

They Are Made of the Finest Silk and Are Quite Costly.

It is said that the cut and style of the gowns worn by the justices of the supreme court of the United States are so peculiar that it is not always possible to have one correctly made.

The wife of a former justice used to enjoy telling of her trying experiences when she wished to have made in Paris the gown her husband was to use. The gowns worn there by scientists, scholars and students differ altogether from those our justices wear.

In London any clerical tailor would have understood the kind of gown desired, but not so in Paris. Wherefore, after many failures, the justice's wife gave instructions to the fashionable modiste who made her gowns. This modiste was entirely successful in turning out a gown for the justice.

The justice's gowns, which are always of the best quality of silk, cost upward of \$100. When the supreme court was first organized the justices wore quite gaudy gowns.

A portrait in oil of the first chief justice, John Jay, now hangs in the robing room, opposite the supreme court

chamber, and in this portrait the chief justice is represented as wearing a black gown with a broad bright red border around the neck and down the front. It is edged with gray, and the sleeves show a red border at the top and bottom, also edged with gray.—Harper's Weekly.

A Curious Windstorm.

A peculiar freak of weather is the storm called the "williwau." This form of storm is confined to that far-off island Tierra del Fuego. The coast is indented with deep fiords crowned with high mountains. Down from their gorges drops the williwau. A low, hoarse muttering is heard in the distance. Suddenly, without the least preliminary puff, a fearful blast of wind drops upon the sea. The water is not raised into waves, but driven into fine dust. Fortunately the shock lasts but ten or twelve seconds, and calm follows at once, for no vessel could stand such a wind for even half a minute. During the coming and going of a williwau the barometer may be watched to drop a tenth of an inch or more and rise again at once.

She Was a Skeptic.

In pioneer days a settler near the present town of Albany, Mo., bought for his wife the first cook stove ever seen in that part of the state. It was an object of great curiosity, and the woman's next door neighbor, who lived ten miles away, came to see how it would work. Without comment she saw the dinner cooked. She ate the meal with judgment held in reserve and then remarked, with a shake of the head:

"Well, Sarah, it cooks all right, and the victuals taste good, but I don't believe it will ever be a success."

At the Sign of Suspended Absalom.

M. Camille Flammarion mentions that on the boulevard near the Port St. Denis there used to be a wig maker's shop which had for its sign a large picture showing Absalom hanging by his hair from a branch and pierced through with Joab's spear, and underneath was a quatrain which may be translated:

O passerby, see the woeful rig
Of Absalom hung by the nape
Of his neck! If he'd worn a wig
He'd have avoided this terrible scrape.
—Paris Liberte.

Don't Mutilate Your Coins.

It is a crime to mutilate or deface gold or silver coins, and if you were to ask a jeweler even to punch a hole in a \$5 gold piece so that you could carry it on your watch chain you probably would be told to go about your business. Yet strangely enough if you were to mutilate a gold piece until it had lost all resemblance to a coin you probably would not be punished. What the government aims at is to prevent the impairment of the value of its gold and silver tokens by plugging, drilling, "sweating" and other processes. It is unlawful to cut even a monogram on either a gold or silver coin.—New York Mail.

TEACH MORALS BY PICTURES.

Fitchburg Using Photographs in Schools to Show Right and Wrong.

Teaching morality in the public schools by means of photographs from actual life and showing what is right and what is wrong, has been given its first test in the public schools of Fitchburg, Mass.

The pictures themselves, taken in proper series, are depended upon to impress on the children's minds the rights and wrongs of certain questions arising every day, such as fights between boys, squabbles between girls, playing games fairly, etc.

The teacher gives a few words of explanation, which may frequently broaden out into a lecture. A number of lectures have been prepared by Milton Fairchild, the originator of the project. Some of the lectures, with the pictures, are to be given in Fitchburg this week. The work is under the supervision of Professor H. C. Barbour of the Fitchburg high school.

Professor George F. Moore and Professor James H. Ropes, both of Harvard, have served as advisers for the plan.

Memory Feat.

Our notion of a wonderful memory is that possessed by a man who can tell how many days there are in a given month without going through the "thirty days hath September" thing.—Metropolitan Magazine.

Would Be Prepared.

She—Suppose, dear, I find you have not given me enough money? He—Then telegraph for more. She—Have you a telegraph blank?—Exchange.

A Big Difference.

Madge—Don't you think a girl should marry an economical man? Dolly—Suppose so, but it's just awful being engaged to one.

FOR FALLING HAIR.

You Cannot Lose When You Use This Remedy.

We promise you if your hair is falling out, and you have not let it go too far, you can prevent baldness and get a new growth of hair, if you will use Rexall "93" Hair Tonic, with persistence and regularity, for a reasonable length of time.

It is a scientific, cleansing, antiseptic, germicidal preparation. It destroys microbes, stimulates good circulation around the hair roots, and thus promotes hair nourishment, removes dandruff and restores hair health. It is as pleasant to use as pure water, and is delicately perfumed. It is a real toilet necessity.

We want you to try Rexall "93" Hair Tonic with our promise that it will cost you nothing unless you are perfectly satisfied with its use. It comes in two sizes, prices 50c. and \$1.00. Remember, you can obtain Rexall Remedies in this community only at our store—The Rexall Store.

Johnson's Pharmacy

DR. L. H. BRUNS

OPTOMETRIST

Will be in Brainerd, at the Zansford Hotel

Jan. 23 and 24

Spectacles and Eye Glasses Fitted 'Correctly.
Headache and other Nervous Disorders
Cured with Glasses. Eyes Examined Free

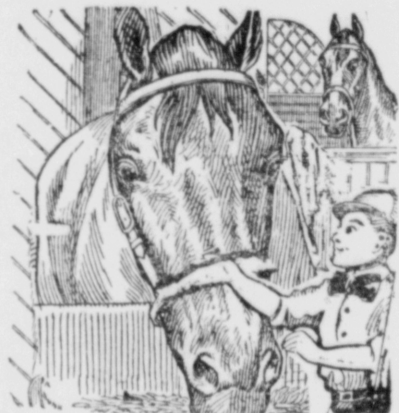
THE METROPOLIS OF THE CUYUNA IRON RANGE

Crosby, Minn.

CHOICE BUSINESS LOTS FOR SALE
WITHIN TWO BLOCKS OF THE NEW SOO DEPOT

Now is the time to buy as these lots will soon be worth many times what is now being asked for them. For prices and terms see

GEORGE H. CROSBY, Duluth, Minnesota
or Crosby, Minnesota



YOU CANNOT JOCKEY A HORSE

with poor feed. He knows its quality as well if not better than you do. Give him some of our feed and grain and see how he will go into it. See him pick up in condition, too, after you have fed him with it a few days. Good feeding pays, and the use of our feed and grain will prove it.

JOHN LARSON

First Annual Sale

Of Imported and Domestic Suitings

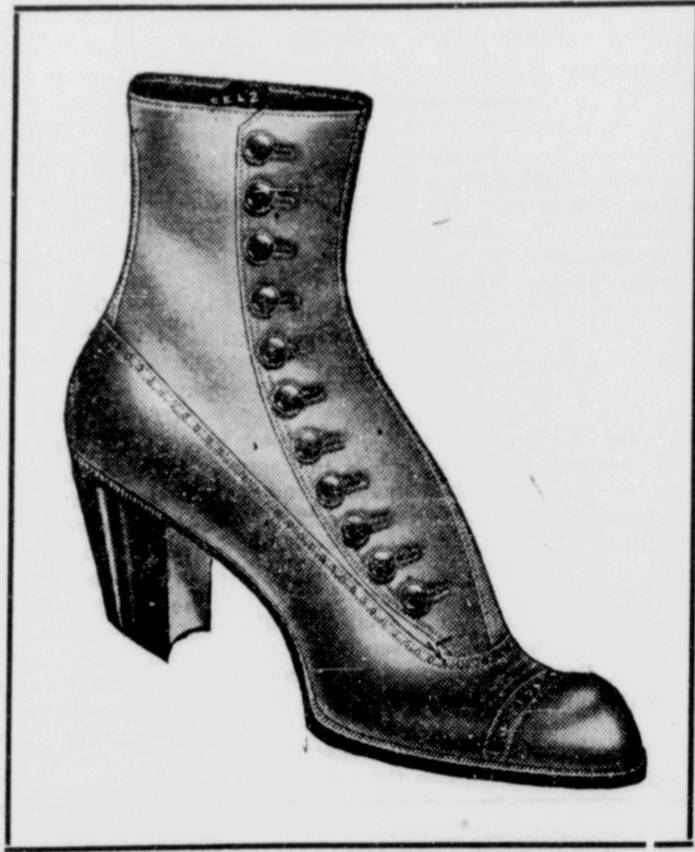
Of Serges, Homespun, English
and French Novelties, Etc., Etc.

If ordered now you can have them at a great reduction. You will be surprised at the prices quoted on those materials. They will be made to measure, and to fit your figure. I guarantee every detail to give satisfaction. I can make these suits within three or four days while you are in St. Paul. I also make up from your own materials, suits from \$15.00 and up. Separate coats \$12.50 and up. See me before purchasing elsewhere and find out what benefit can be derived by it.

A. COOK, 316 Ryan Building
St. Paul, Minn.



All \$5.00 shoes at - - - \$3.85
All \$4.50 shoes at - - - 3.45
All \$4.00 shoes at - - - 3.25



All \$3.50 shoes at - - - \$2.95
All \$3.00 shoes at - - - 2.65
All \$2.50 shoes at - - - 1.95

Save Some Shoe-Money

Whenever you get a chance to buy gold dollars at 80 cents or Selz shoes at 20 per cent discount, or better, you'd better buy a few; it's a good investment.

Our reason for selling Selz shoes at less than usual prices is that now we've come to the time when the new season's styles are about to arrive, and we want all fall and winter models out of the way. We shall make an early display of new styles soon and begin selling them. Until then we're going to clear up all this season's stock; fresh fall and winter goods; best leathers and styles; the best shoes in the world. You'll think so if you wear them. Better buy several pairs at these prices.

Oberst's "Selz Royal Blue" Store

There'd be but One Shoe if everyone knew---SELZ

Our January Clearance Sale

Will Open on January 20th, 1912

TIME, TIDE and OPPORTUNITY wait for no man. YOU know it. If clothes quality is what you want, this is your opportunity to get the best that money can buy and still save 25, 33 $\frac{1}{3}$ and 50 per cent of the standard price.



Men's Mackinaw Coats
That were 8.00, 7.50 and 6.50 go at
\$4.95

Men's Mackinaw Coats
That were 5.50, 5.00 and 4.50 go at
\$3.95

Sheep Skin Coats 20% off **20% Discount on Heavy Underwear**
Men's Fur Coats and Sheeplined Ulsters--all sizes--52 inches long 25% Discount

No charges will be made during this sale.

These prices demand the CASH.

Suits and Overcoats
That were 27.50, 25.00 and 22.50 go at

\$16.95

Suits and Overcoats
That were 20.00, 18.00 and 16.50 go at

\$11.95

Suits and Overcoats
That were 15.00 and 12.50 go at

\$8.95

Boy's Suits and Overcoats
25% off All sizes, 3 to 17 years 25% off

Men's All Wool Shirts
That were 2.75, 2.50 and 2.25 go at
\$1.95

Men's All Wool Shirts
That were 2.00, 1.75 and 1.50 go at
\$1.20



Men's Warm Winter Caps
That were 2.50, 2.00 and 1.75 go at
\$1.20

Men's Warm Winter Caps
That were 1.50, 1.25 and 1.00 go at
75c

H. W. LINNEMANN
THE NEW STORE

WHITE SALE

From January 20th to February 1st at

O'Brien Mercantile Company

Petticoats, Combination Suits, Chemise, Princess Slips and Gowns, Regular prices \$2.25 and \$2.50, now **\$1.37**

Fruit of the Loom and Lonsdale Muslin Per yard **9c**

9-4 Peherel Sheeting, Per yard **22½c**

45 inch Tubing Per yard **19c**

81x90 Sheets, regular price 90c, Now **68c**

Turkish Towels, regular price 50c, Now **38c**

Specials!

Petticoats and Gowns, regular price \$1.00 and \$1.25, Now **89c**

Embroidery, regular price 15c and 12½c per yard, Now **7½c**

Every yard of this Embroidery worth 15c per yard.

1911 PERSONAL PROPERTY TAXES

The Dispatch publishes herewith the personal property taxes for the year 1911 taking the names alphabetically in Brainerd and when this city's list is completed, taking up the lists in the various townships. The Brainerd list follows herewith:

(CONTINUED)
(Continued)
W.

White, I. U.	8.70
White Bros.	159.89
White, A. C.	1.09
Winter, A. J.	1.53
Wright, Judd	6.75
Wright, Carl J.	3.56
Wright, Frank G.	7.09
Waffle, C. G.	1.43
Walker, Mrs. H. E.	3.56
West, Geo. R.	19.57
Welsch, T. E.	1.83
Weaver, Geo.	1.74
Williams, Geo.	2.48
Wieland, F. W.	9.58
Witham, A. J.	.66
Williams, J. B.	2.22
Willis, Mrs. Eliza	1.17
Wilson, Mrs. Anna	1.30
Woerner, Gust H.	2.61

Welch, J. W.	.70
Willson, W. E.	.88
Whitney, A. E.	.44
Warren, Chas. E.	2.40
Wilmar, J. B.	1.35
Weber, Joe	.78
Willis, Thos.	.65
Witham, John W.	.35
Witham, Miss Cecil	1.09
Wilson, Miss Maude	1.09
Worden, John	1.52
Weisz, James S.	2.08
Wallace, A. M.	2.65
Wise, John	.70
Webb, E. O.	8.05
Whiteley, R. K.	4.44
Westberg, Erick	1.00
Wood, W. H.	2.70
Warren, E.	1.74
Whitney, Geo. O.	.44
Whitford, Frank	1.22
Wadsworth, D. E.	1.09
Westerberg, Nels	.13
Weber, A. C.	2.47
Wieber, John L.	13.05
Whitford, Mrs. S.	.74
White, C. B.	16.31
White, A. A.	6.52
Wise, R. R.	304.89
Warner, Geo. H.	7.18

Z.	
Zierke & Welch	6.52
Zierke, H. C.	1.53
Zapffe, Carl	17.85
Zakariassen, L. S.	6.52
Zakariassen, P. M.	7.18
Zakariassen, Miss E.	1.09
ALLEN	
Atwood, F. P.	7.30
Buchite, Sam	.21
Butterfield, H. G.	2.87
Prink, Levi	.58
Franks, E. O.	1.99
Gaarden, Nels	3.15
Johnson, Fred	2.47
Jenkins, W. H.	8.67
McComber, E. C.	7.16
Tucker, Loren W.	2.37
Steas, John	.07
BAY LAKE.	
Archibald, David	4.63
Bath, E. A.	5.42
Blade, W. A.	3.35
Chord, Dan	3.06
Carlson, Charles O.	5.14
Christinson, C. G.	2.63
Christenson, A. C.	.87
Elmore, Edd	4.23
Erath, Albert	2.04
Flint, I. H.	3.02

Flint, W. H.	5.37
Grey, A. N.	14.86
Hammett, J. L.	5.83
Hall, L. P.	6.18
Hunt, G. W.	4.23
Hammett, M. L.	3.46
Horr, E. L.	2.11
Isle, Phillip	2.59
Johnson, Gilbert	3.63
Jefferson, Mrs. E. R.	.64
Kneiff, A. F.	.89
Miller, Mrs. A. L.	5.33
Maghan, R. J.	7.81
Miller, A. A.	8.25
Nelson, Thos.	5.52
O'Brien, Con	1.78
Peterson, Jens	12.55
Ruttger, Joseph	5.11
Skilling, C. K.	.07
Orr, Fred	.52
Sebring, H. O.	2.74
Stafford	4.65
Soule, E. W.	2.61
Salisbury, H.	.91
Simon, John	.70
Seipp, Martin	2.57
Wulf, Fred	3.89
Workman, E. H.	2.82
Waffensmith	6.81
Young, D. L.	1.24
Norcross, Frank	.63

BAXTER.

Aubin, Eugene	.95
Anderson, Andrew	.53
Anderson, F. E.	3.73
Barrett, Wallace	.97
Berggren, I. H.	3.90
Barrett, Ernest	.63
Barrett, Chas. A.	3.20
Barrett, Zachary	1.40
Frederickson, C. G. (Duluth)	10.00
Johnson, Emil, Brainerd	2.55
Kinney, Marion	.65
Lease, Albert	4.90
Livingston, R. R.	4.40
Marohn, August H.	2.67
Mickelson, Robert	2.07
Peterson, Axel	2.33
Rogers, Brown & Co.	3.75
Stroch, Frank	5.08
Spies, Amanda	2.57
Mack, Andrew	.13

CROW WING.

Anderson, Peter	3.94
Anderson, Peter B. (Brd.)	5.45
Anderson, Adolph	9.97
Bally, Levi	6.91
Berkland, Swan	1.60
Caron, Thomas	2.02
Dougherty, Arthur	3.44
Dechaine, Fred	.23
Dechaine, Antoine	6.15
Davis, W. R.	3.13
Fredstrom, Frank	14.09
Eastman, C. W.	.08
Guinn, E. L.	12.62
Gruenhagen, F. H. (Brd.)	12.16
Girard, Sam	.60
Girard, Joe	1.42
Hays, James	4.09
Hart, Theodore	2.20
Jackson, Andrew	1.16
Johnson, John P. (Brd.)	.21
Johnson, Nels (Brd.)	2.36
Kozel, Frank (Brd.)	4.77
Kruse, Julius (Brd.)	3.04
Ludlow, Richard	3.85
Lafond, Albert	.30
Lafond, Wm.	1.14

Our Inventory Offering

HAVING just completed our inventory we find that we have too much stock on hand and, to benefit the trade and ourselves, we are placing these offerings at COST—not at 20, 25 or 30 per cent, for the simple reason that we wish to reduce our stock. We find this a very good way to help our patrons and also patrons of other stores.

Now, to show you that we are doing as we said, we will list a few articles.

\$12.00 Men's Suits now going at **\$8.75**

\$15.00 Men's Suits now going at **11.50**

\$18.00 Men's Suits now going at **12.50**

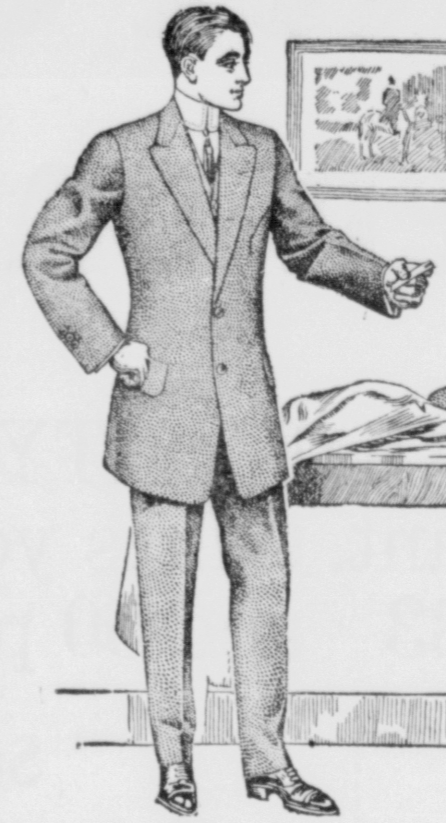
\$20.00 Men's Suits now going at **14.00**

\$22.00 Men's Suits now going at **16.00**

\$24.00 Men's Suits now going at **17.50**

\$26.00 Men's Suits now going at **18.50**

\$28.00 Men's Suits now going at **21.50**



We are also offering our Children's Suits and Overcoats along with the Men's and Young Men's Suits and Overcoats at this Inventory offering.

Our Men's and Boy's Sheep Lined Coats are also included in this sale.

Felt shoes of all descriptions for Men, Women and Children.

We are also offering a very select lot of Packard Specials in Patent leather \$3.50 and \$4.00 shoes at **\$2.50**

We have a special table of Ladies' Shoes in gun metal, tan and patent leather, worth \$3.00, \$3.50 and \$4.00, which we have placed in this offering at **\$2.50**

Also our Men's and Boys' Sweaters in turtle neck and coat style at cost. Made by the Jusild Knitting Co. which concern is noted for their expert fitting ability and superior quality.

We also have a most complete line of Ladies' colored overgaiters, worth 75c and 85c, which we are offering at **25c**.

JOHN CARLSON

"The Clothier"

Maddock, Sam	.14	Pepin, Paul	.65	Young, George	.82
Maurice, D. R.	2.12	Pietz, Mike	4.07	Estate of Chas. Shontell	.49
Maxin, Lucy	.70	Renstrom, Chas.	3.85	Anderson, Matt	.14
Ott, Fred	3.04	Smith, A. J.	2.55	Vanasse, Adam	.11
Ott, Charles	4.97	Swanson, Chas.	4.41	Peabody, C. E.	.10
Perry, H. R.	2.43	Scherping, Phoebe (Hibbing)	3.25	Larson, Andrew	.81
Pentin, Charles	4.61	Vaughn, Bert	1.69	Engle, John	1.01
Porter, Belle	5.26	Vanasse, O.	.44	Adams, C. C.	1.00
Paulson, Ole	.82	Wetherbee, Sophia	1.57	Bates, J. W.	.15
Perlinger, John	4.97	Wetherbee, R. J.	3.85	(To be continued)	

CLEARANCE SALE

PRICES

on

Ladies' and Misses' Coats, Furs, Waists and Millinery

Also Underwear, Hosiery, Outing Flannels, Sweaters, Kimonos, Dressing Saques, Shoes and Rubbers

THE SALE-WISE Bargain Seekers patronize the sales that are different because everybody knows what he's getting and just what he saves. The Sale in which you can buy with your eyes shut and still know that you get the best of merchandise, and at the lowest prices.

BUCHMAN'S

N North, East, South and West **E**

Kellogg's

It's the national favorite—never was a food so popular before. Last year the country ate more **KELLOGG'S** than all the other brands together, and there's hardly a home that doesn't serve **KELLOGG'S** regularly. The tempting filmy flakes have made a hit with the nation's appetite.

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THE ORIGINAL HAS THIS SIGNATURE

W **S**

SOUTH RANGE OF THE CUYUNA DISTRICT

An Authoritative Article Written Specially for the Brainerd Dispatch By

PROF. CARL ZAPFFE, GEOLOGIST

Contribution From This Noted Geologist Covers the Range up to December 15, 1911

Prof. Carl Zapffe, of Brainerd, has explored the south range of the Cuyuna iron ore district and is well acquainted with the geology peculiar to this section of the Cuyuna range. The following authoritative article was written for the Brainerd Dispatch by Mr. Zapffe and gives his investigations and views of the range up to December 15, 1911:

INTRODUCTION.

The Cuyuna iron ore district lies in Aitkin, Crow Wing and Morrison counties, of the state of Minnesota, but the commercially important part of the district lies wholly within the southerly portion of Crow Wing county, crossing it in a NE-SW direction, practically parallel to the course of the Mississippi river. The Northern Pacific railway, coming from St. Paul and Minneapolis to Brainerd and thence to Duluth, is also practically parallel to this course, and in addition, divides the Cuyuna district into two geographic divisions. That portion of the district lying north of the railway tracks is known locally as the North Range, and correspondingly, that portion lying south of the railway tracks is known locally as the South Range. There appear to be no geological differences between these two subdivisions.

The North Range as developed covers an area about ten miles long and six miles wide and lies wholly within Crow Wing county. The important portion of the South Range is entirely in Crow Wing county, is about thirty miles long and, as far as developed, about two miles wide. The purpose of this article is to consider only the developed portion of the South Range, more especially the ore bodies, from the standpoint of actual operators and consumers of ore. The information is obtained entirely from drill hole records.

THE SURFACE

To facilitate the consideration of surface conditions let us divide the South Range into four districts, naming them Barrows, Brainerd, Loerch and Deerwood, each the nearest railway station on the Northern Pacific railway and also a familiar local name, for example, in the Barrows district, which covers the southwest quarter of the South Range, the Barrows mine is now being opened; Brainerd, which covers the west central quarter, is the only city in the county, is the county seat, and the railroad and business center of the county; in the Loerch district, which covers the east central quarter, the Pickands, Mather & Company sank their exploration shaft several years ago, the first underground work in the Cuyuna iron ore district; and in the Deerwood district, which covers the northeast quarter, the first ore was found, and here Cuyler Adams, by whom this iron ore district was named, is now beginning mining operations by sinking a concrete shaft.

In the Barrows district the depth of the surface is exceptionally uniform, averaging about 100 to 120 feet and consisting prevalently of sand with only a few boulders. In the Brainerd district the surface is generally deeper, about 170 feet or so, and contains many boulders in sand and gravel. In the Loerch district the surface averages about 80 feet in depth and consists of muskeg, sand and gravel. In the Deerwood district the surface varies from 130 to 230 feet in depth and consists principally of gravel, clay and boulders.

It seems that the water proposition has ever been greatly exaggerated and misconstrued. In the Barrows district the ponds, marshes and swamps are not only small but very few in number, and from drill holes it has frequently been noticed that the water will stand in the casings at a depth as much as fifty feet. At the Barrows mine, the shaft of which is now about 75 feet deep, less than 250 gallons are pumped per minute, a very small amount of water. In the Brainerd district there are no lakes but there are several swamp areas from which small creeks flow the entire year. It has frequently been observed that for certain periods of the year water will rise in drill holes and flow upon the surface. In the Loerch district ponds

and lakes are more common, and there are also some very large areas of swamp land. The recent drought conditions succeeded in completely drying the latter. As frequently about the upper 20 feet of the surface is muskeg, the water which the latter contains would soon be drained in the preliminary mining operations. While Pickands, Mather & Co. were conducting underground explorations, and their shaft was located in the very midst of the largest and western of the swamps at a time when all waters were standing high, about 600 gallons were pumped per minute. In the Deerwood district there are many lakes and ponds, but it seems that with their clay bottoms these lakes would contribute but very little water, if any, to underground operations. Judging from the topography of the adjacent country it ought to be a simple task to drain by ditches any of these ponds or lakes, if necessary, to the larger water bearing basins to the south away from the ore bodies.

THE ROCK MATERIAL.

The rock formations are principally metamorphosed sedimentary rocks interbedded with large amounts of volcanic flows, and all are intruded by plutonic rocks. The sedimentary rocks constitute one large formation consisting principally of different colored slates interbedded with small quantities of limestone, quartzite, graywacke and the various iron-bearing rocks.

The slates are principally of a gray, a green, a black or a red color and are respectively known as gray slate, chloritic or green slate (locally called "green schist") graphitic or carbonaceous slates and ferruginous slates (locally called "paint rock"). The color depends upon the original impurities when the slate making material was deposited. The slates are finely fissile, and most of them are schistose from subsequent deformations. These rocks are all soft and easily mined.

The volcanic rocks have in the past been rarely recognized as such and are generally spoken of as "intrusives." As far as the removal of rock by mining is concerned it probably makes but little difference under which of these two classifications the rock is placed; geologically however, there is considerable importance to be placed on the classification because of the probable genetic relationship of the original iron-bearing substance and these volcanic flows at the time of their occurrence, for it is a very noticeable fact that practically all of the rather thoroughly drilled ore deposits known today are closely associated with volcanic rock. The volcanic rocks occur in flows and are light green to dark green in color and are generally quite dense. For mining purposes this rock is an ideal one on which to ledge a shaft.

The plutonic rock are prevalently dark green in color, of medium grain, and range from gabbros and diabbases to quartz diorites. They are very dense and tough, and like the volcanics make excellent rock for holding up mine constructions. Drilling has not yet definitely outlined the forms in which these rocks have intruded the Cuyuna formations but it seems very likely that ultimately they will be found in the form of small dikes and bosses.

The iron-bearing rocks consist of ferruginous slates, ferruginous cherts, amphibole-magnetic rock (locally called "magnetic slates"), cherty iron carbonate and iron ores. The ferruginous slates and the ores are soft; the ferruginous cherts are dense but generally brittle; the "magnetic slates" and the cherty iron carbonates are always dense and fairly hard.

The volcanic and the sedimentary rocks have all been made schistose and denser since their original deposition by extensive folding and igneous intrusions, and have subsequently because of their exposure to the atmosphere been considerably decomposed and softened through the various processes of weathering. The softer phases are to be sought at the rock surface, or along underground water channels which may have been formed either by the solution of original constituents or by the fracturing or faulting resulting from crustal movements. As the rocks described above are generally considered to be of Upper Huronian and Keweenawan age, which places these rocks in the earlier portion of the earth's history, it can readily be appreciated that they

have suffered considerably both by deformation and by weathering.

ROCK STRUCTURE

The volcanic and sedimentary rocks of the Cuyuna district have been folded into numerous similar folds parallel in strike and of low pitch, so low in places that the crest line of some folds appears to be measured by miles in length. The deformation has produced closed folds of a prevailing steep dip, either to the north-west or the southeast, and the remaining limbs, not removed by erosion, show many minor flexures, especially in the nature of drag folds along the strike. There is nothing known to indicate definitely the nature of the underlying rocks, and a meagre remnant of a younger conglomerate and an extrusive lies unconformably above. The folded rocks are intruded by the plutonic rocks mentioned. There has been considerable fracturing and minute faulting and much re-cementing by quartz. Erosion has removed great thicknesses of all rocks and thereby exposed the iron-bearing rocks, making

bedded or overlapping lenses, the greatest known width is about 300 feet but the more common width is less than 125 feet.

Because such a very large percentage of drilling has been done with inclined holes, very little is known about the downward continuation of these ore bodies. The concentration has been encountered to a depth of at least 300 feet. It is a well known fact that the ore bodies are located in basins or troughs formed by folding or igneous intrusions and pitch either to the northeast or the southwest whereas they dip southeast or northwest. It is easy to conceive of an inclined hole either under-cutting or over-cutting such a pitching ore body and thereby convey the impression that the ore is absent entirely or possibly only of shallow depth when as a matter of fact it is more likely that the ore probably continues down the pitch and has a greater depth than any drilling in the vicinity may show. Such structural relations are not only favorable for the development of ore to considerable depth but

also for the development of the richer deposits. It remains for actual underground operations to verify these facts for the Cuyuna district. In the present state of developments the richest ores of the south range deposits occupy approximately the upper 100 feet of the deposit. This is a favorable condition in mining operations.

An estimate of the tonnage from the drilling on only the explored portions shows that at least 20,000,000 tons of ore analyzing over 50 per cent in iron, as shown on the exploration sheets, have actually been developed. By making greater assumptions in dimensions, but within reasonable bounds, based on geological conditions the drilling suggests that this figure could probably be increased to about 50,000,000 tons. Considering only those deposits which have a tonnage which suggests that they might some day be operated as a commercial proposition, one can at this time count at least 20, and these embrace most of the developed tonnages. The total

per ton is usually taken as a divisor, though some prefer to use 11 cu. ft., and in the lower grades it is perhaps preferable to use the figure 12. These figures have been determined by laboratory experiments and will have to suffice until determinations can be made on deposits under operation.

An estimate of the average iron content based on the tonnage of all the material in the larger deposits and shown on the exploration sheets as analyzing over 50 per cent in iron amounts to 55.0 per cent. A similar calculation of only that material analyzing 55 per cent or more in iron amounts to 57.3 per cent. As explorations have continued, both the tonnages of 50 per cent ore and the average iron content ever increased, and no doubt this will continue inasmuch as the explorations consist of but a mere scratch compared to the total possibilities.

The silica appears to vary indirectly with the iron so that where the iron content runs high the silica runs low, and vice versa. For the better ores it averages about 7 to 9 per cent. The phosphorus content is over the bessemer limit and for the different deposits ranges between 0.30 per cent and 0.50 per cent but as a whole is strikingly uniform. Although the ore deposits are associated with large amounts of slate it is remarkable that the alumina content is strikingly low, generally being 2 per cent or under. The manganese content is very uniform, and though portions will analyze less than 0.20 per cent, as a whole it will generally average in the neighborhood of about 0.75 per cent. Calcium and magnesium are extremely low, and sulphur is practically negligible. Insufficient satisfactory tests have been made for a moisture content, but as well as can be determined by inspection and comparisons it seems that the moisture will average from 9 to 12 per cent.

The ore bodies are encased in varying amounts of lean iron-bearing formation which usually grades into the barren phases of the Cuyuna slates and volcanics. Any of these rocks and the intrusives may form the hanging or foot walls. The ore bodies are strikingly free of large quantities of interbedded lean material.

It is impossible to state to what extent folding and faulting have distorted or dislocated the ore bodies, but it is to be expected that both will be found to have been important factors. Likewise intrusive dikes, which are known in some districts to have lengthened the lives of many mines by having produced favorable conditions for the enrichment of ore deposits which were in no manner suggested in the earlier exploratory work.

As a whole the rocks and the ore deposits of the entire Cuyuna district appear to be very similar to those of the Iron River, Paint River and Florence districts of the Menominee and Crystal Falls ranges in Michigan and Wisconsin.

COMMERCIAL CONDITIONS

It has been conclusively demonstrated that merchantable ore deposits exist in the Cuyuna district. On the North Range the Rogers-Brown Ore Company have shipped 147,300 tons of ore in 1911 from their Kennedy mine. They are now stock-piling and are sinking three concrete shafts on three other separate properties. The Inland Steel Company is also sinking a concrete shaft in the immediate vicinity, and at the present writing the Ogelbay, Norton & Company are checking the explorations on an explored 160 acre tract on a short option of lease with the idea of operating the property, and other explored properties are available which are known to contain excellent ore. Each of the properties referred to consists of a comparatively small acreage and each contains several million tons of merchantable ore. On the south range the M. A. Hanna & Company are now sinking their second shaft at the Barrows mine, at the town of Barrows. Ore will not be shipped until the latter part of 1912. Cuyler Adams is just beginning to sink a concrete shaft south of Deerwood. Both properties are type deposits and the operators' results will be watched with much interest. The original operation by Pickands, Mather & Company near Loerch is idle. This was a small but substantial exploration shaft, the first in the Cuyuna district and still remains.

Furnace men who have examined the South Range ores generally consider them excellent for furnace use, but as under the present existing conditions the ores are most economically used for foundry iron, the demand for them has not been very great. The ore buyers are also generally under the impression that the prevailing high royalty imposed on the South Range ores also applies to South Range ores. This is decidedly a misapprehension because developed

South Range ores can be obtained at a very much lower price. The royalties desirable for the operation of any ore deposit are controlled in such a manner that the desired property can be delivered without including any excess acreage and with a prevalently low minimum tonnage.

Both the Northern Pacific railway and the Soo line are in a position to haul ore to Superior docks at any time. The Soo line taps the South Range at its east end near Deerwood but does not extend any further to the southwest. The Northern Pacific railway on the other hand is never more than two miles distant from any one of the known ore deposits and frequently is right along side of them. Before any ore was shipped from the district, a 65c rate for ore was established which at that time was 15 cents lower than the Mesabi rate. Recently the railroads serving the Mesabi range reduced their rate from 80c to 60c which now gives them an advantage of 5c. What action the Cuyuna railroads will take to counteract this is not known but it seems reasonable to suppose that the Mesabi rate will at least be met.

The area crossed by the South range occupies the best farming district in Crow Wing county. It will therefore be an easy matter to provide farm produce for any and all mine locations at moderate prices. This also suggests the advanced stage of road development which makes it possible to easily reach by automobile or team any one of the many ore deposits.

There need be no fear for want of small mine timber on account of the advanced agricultural conditions mentioned, for the Minnesota and International railway, which connects the Canadian boundary with Brainerd, traverses an area containing an almost unlimited supply of suitable wood.

INTERESTED IN THE SOUTH RANGE

Brainerd Citizens Who Are Receiving Royalties From South Range Mineral Lands

COMPANIES HAVING HOLDINGS

List of Well Known People Other Than Brainerd Citizens Interested in South Range

Brainerd citizens receiving royalties from South Range mineral lands are: W. A. Barrows, R. A. Belse, Thos. Beare, Iver Benson, H. I. Cohen, J. M. Elder, F. A. Farrar, G. W. Holland, R. J. Hartley, Werner Hemstead, J. W. Koop, G. D. LaBar, C. O'Brien, A. D. Polk, J. A. Thabes, R. R. Wise and Wm. Wood. Companies who have valuable interests in South Range mineral lands are: Biwanago Mining Co., Brainerd Mining Company, Barrows Iron & Land Co., Baker Mining Co., Cameron Iron Co., Crow Wing Iron & Land Co., Crow Wing Mining Co., Howell Mining Co., C. N. Hill Lumber Co., Martin Exploration Co., Minnesota Park Region Land Co., Mineral Range Development Co., Northwestern Improvement Co., Nokay Iron Co., Orelands Mining Co., Pickands-Mather & Co., Spring Valley Iron Co., Salisbury Mining Co., and Walter Iron Co.

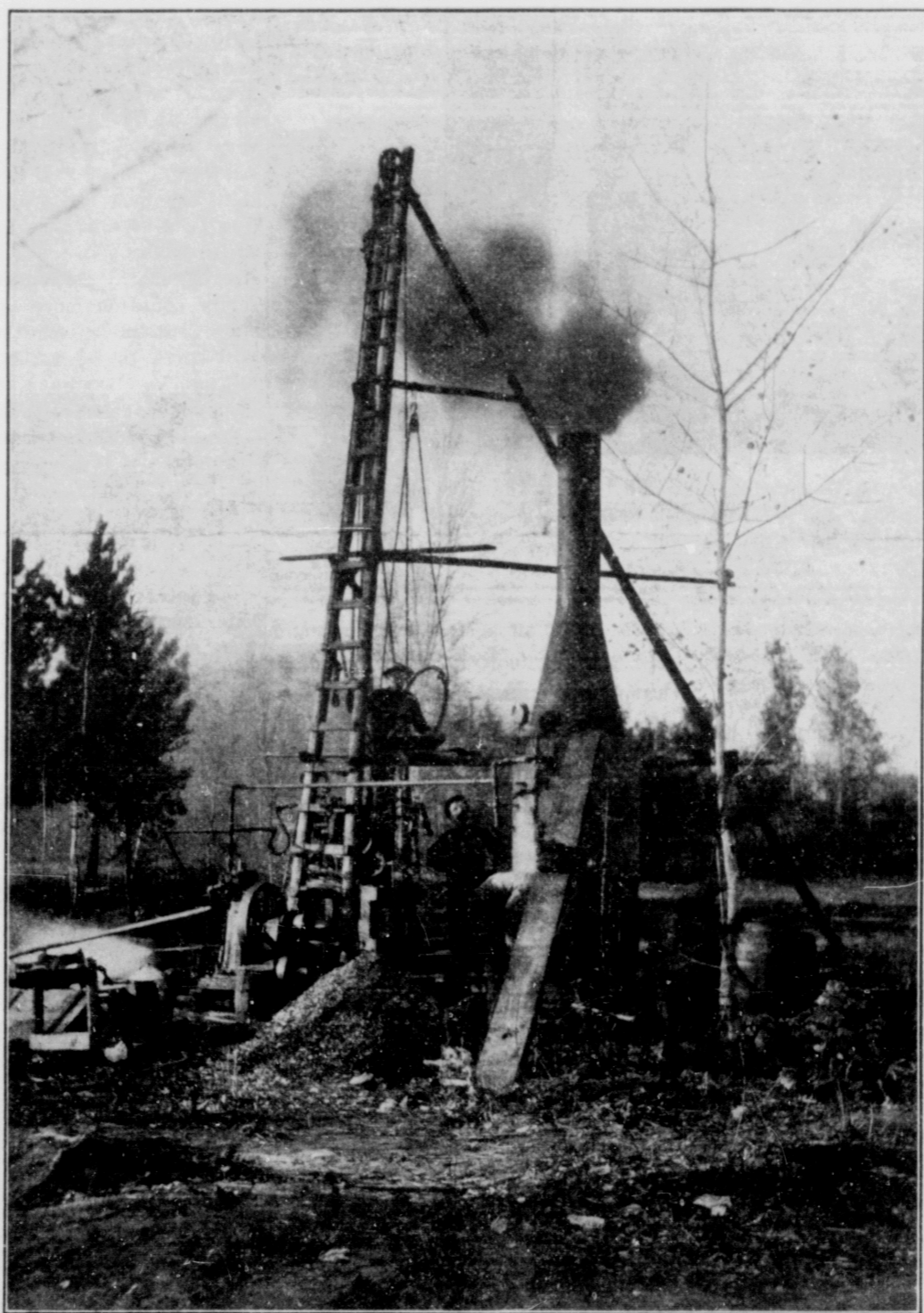
Well known people, other than Brainerd citizens, who have valuable interests in South Range mineral lands are: Cuyler Adams, W. Allworth, C. D. Brewer, F. A. Barber, E. G. Bush, W. H. Cole, A. M. Chisholm, J. Cron, W. D. Edson, D. L. Fairchild, W. C. Gilbert, R. F. Grant, John Ganska, J. T. Hale, R. C. Jamison, L. Lum, C. K. Leith, E. J. Longyear, J. D. Lamont, B. Magoffin, Jr., A. M. Miller, Jr., B. McCullough, B. F. McMillan, Thos. Merritt, Carl Neumann, Chas. Neimeyer, C. E. Pope, F. J. Sullivan, B. F. Snively, J. D. Vian, D. Waite, L. Willcuts.

ALIVE TO SITUATION

That the Northern Pacific railway is fully alive to the possibilities of the situation on the south range of the Cuyuna is evidenced by a letter written John A. Hoffbauer, city editor of the Dispatch, wherein Mr. Elliott, president of the Northern Pacific railway says: "You are, of course, at liberty to say that the Northern Pacific is interested in the range and hopes to do its full share in trying to improve it."

As a further evidence of the interest in this section is the letting of the contract by the Cuyuna Range Power Co. to the Grant Smith Company for the building of a large dam on the Crow Wing river, the building of which will take a year to complete. This dam will furnish the water power for the electric company.

Type of Diamond Drill used to explore the South Range



Proving an Ore Body South of Brainerd



CARL ZAPFFE

Carl Zapffe was born and raised in Milwaukee, Wis., where he completed a high school course in languages and sciences. The largest part of the following five years were spent by him in the jobbing business. He entered the University of Wisconsin, graduated after four years from an engineering course with first honors in the university for excellence in science and received the degree of Bachelor of Science. He pursued post-graduate studies the following year, specializing in applied geology, and received the advanced degree of Master of Science. His practical experience in applied sciences was obtained in railway engineering on electric interurban railways, at Milwaukee, and in mining engineering on the Mesabi iron range, and later in geological work in various parts of the United States and Canada in different mineral districts.

During the last six years Mr. Zapffe has also been the geologist in charge of the Minnesota iron ore lands for the Northwestern Improvement Co. (a subsidiary of the Northern Pacific railway company.)

Mr. Zapffe is a member of Alpha Chi Sigma, a national professional chemical fraternity, the American Association for the Advancement of Science, the American Institute of Mining Engineers and the Lake Superior Institute of Mining Engineers, and has published numerous articles on investigations of geological subjects. In the most recent publication he appears as a joint author on the Geology of the Cuyuna Iron Ore District included in Monograph LII published by the United States Geological Survey.

amount of iron-bearing formation analyzing over 40 per cent in iron, estimated on the same basis as the tonnage of 50 per cent ore stated above, ranges between 40,000,000 and 100,000,000 tons. No attempt has been made to separate 60 per cent ore as only a small amount has been developed up to the present time.

The ores are mostly the hydrous and siliceous limonites of red, brown and black color, and when not very siliceous the ores are earthy in appearance. The ores have apparently been brecciated considerably, are granular, but not pulverized so as to make them objectionable in the furnaces. In texture they are generally considered equivalent to the iron ores of the older ranges on the south range of Lake Superior. In estimating tonnages of the better grades of ore, 10 cu. ft.

TWO SHAFTS IN CITY OF BRAINERD

Judge G. W. Holland Prophecies a Shaft in S. E. Brainerd and One on South Sixth Street

MAY BE OPENED THIS SUMMER
Iron Ore Also Found in Another 40 in City—Predicts 20,000 Population for Brainerd

The first the people in Brainerd heard of iron in Crow Wing county, was when Cuyler Adams and William C. White commenced selling stock in the Orelands Mining Company, which they had previously organized. They were selling stock and buying mineral land at the same time. Their company was stocked for \$50,000.00.

down you follow them. This is contrary to all mineral found in the west. There are many veins found in this county, some run parallel to each other and others in other directions. The one running from near Rabbit lake to Fort Ripley has been drilled all along its length and iron found. The vein runs through the city of Brainerd. Parallel to this and within a mile of it, there is another vein which has been drilled and iron found. These iron veins can be followed with a dip needle as easily as the boy can follow the brook he is fishing in. There is iron all over the county the dip needle tells us, but the ground has not yet been drilled. These numerous veins seem to extend all the way to Mille Lacs lake. Some

this business. He and he alone made the option between the Martin Exploration Co. and the owners of said land. It is now expected that a shaft will be commenced on said land in south-east Brainerd, in the city limits, next summer. Unless the Martin Exploration Co. leases certain land that they have not yet secured I do not see how they can avoid sinking two shafts—one in Southeast Brainerd and one near south Sixth street, provided they find ore on the land south of town that they have an option for. They have not yet drilled it and if they do not find iron there would be no necessity for a shaft. When the shaft in Southeast Brainerd is started, I shall request that it be called "Barrows' Shaft No. 2", and if the Martin Exploration Co., or assigns, should sink a second shaft in South Brainerd, I shall request that it be called "Barrows' Shaft No. 3."

The Martin Exploration Co. has an option on contiguous land along south Sixth street and south thereof for three-fourths of a mile.

ever you go if you do not find a Hartley mine or one he is interested in. J. M. Elder used to sell Northern Pacific lands and knows something about every section of land in the county south and east of the Mississippi river, and possibly elsewhere. He purchased large tracts from the N. P., when selling their lands, for about \$2.00 per acre. He is a stockholder in the Park Region Land company, which said company is receiving large royalties for lands leased for mineral purposes. He owns a section of land across the road from the city limits. On this land there is a good set of buildings and most of the section has been plowed and cultivated. There are two veins crossing the section. One has already been leased and the other not yet explored. These two veins are less than one mile apart. Veins are of different sizes. Often about one hundred feet square, sometimes more but oftener less. Some may be interested in knowing the value of one of these

cubic feet is called a ton, but if we take twenty cubic feet for a ton we will be conservative. Twenty in ten thousand—500 times at twenty-five cents per ton and we have \$125.00 for each foot of the vein. If there are two veins crossing Elder's section there would be two miles, or 10,560 feet in length, and that amount multiplied by one twenty-five equals one million seven hundred and seventy thousand dollars.

Dr. J. L. Camp has a farm a few miles west of Rabbit lake, consisting of more than twenty-five hundred acres. Good buildings are on it, some cultivated. He keeps a large herd of cows on it and does not care whether there is any iron on it or not. I have been over parts of it with a dip needle with him and found good indications. It has not been explored or drilled, but the signs indicate he has more iron ore than any of those other fellows.

Coming this way, past Merrifield, we find F. S. Parker has a farm on the southeast side of Long lake of twelve hundred acres. This is in the iron zone and the iron indications are good. I have examined some of it personally.

R. R. Wise has a farm south of Parker's of three thousand acres coming within three miles of the N. P. railroad bridge. Several times I have been over portions of it with him and find excellent indications. He can lease portions of his farm any time he desires, but he says he will wait until his health improves some as the receipt of big royalties would cause him more work than he now wants to attend to. He is receiving incomes now from three or four mines on the east side of the Mississippi river and several thousand dollars a month income from Minnesota and North Dakota property.

The above gentlemen I know something about and have placed them all in the multi-millionaire columns.

William Wood, A. D. Polk, G. D. LaBar, F. A. Farrar, Henry I. Cohen and E. C. Bane are all receiving or about to receive money from mines as dividends, royalties or otherwise. Dr. A. F. Groves has some iron land in section 10-45-29, which is considered very good. I think it is good as I know of one eighty in that section that has been drilled and one million tons of ore were in sight when drilling stopped. The vein in Dr. Groves' eighty is longer and necessarily contains more ore. The last six gentlemen mentioned I think will have to be satisfied with the millionaire class until they become a little older. I have spoken about citizens only of Brainerd and not of non-residents. I have spoken plainly, truthfully and honestly and do not wish to be considered qualified to enter Teddy's Ananias club. There may be other residents of Brainerd more interested in mines and mining than some of those mentioned, but I have spoken of those only that I have had mining relations with and know something about them.

I have been in Brainerd some time.

THE BRAINERD COMMERCIAL CLUB

Ezra R. Smith, Secretary of the Club, Writes an Interesting Article on the Club's Work

NOW BOASTS OF 117 MEMBERS
Club Quarters Occupy 4,000 Square Feet in the Magnificent Iron Exchange Building

Ezra R. Smith, the secretary of the Brainerd Commercial club has furnished the Dispatch the following interesting article regarding the club: "Born in a Manger," as it were, with a membership of less than 40 members in 1910, the Commercial club of Brainerd was re-organized and nourished to a growth at the close of its first year to 64 members. During the year just closed that number has been almost doubled, until today with a membership of 117 members; exchange of courtesies with 39 other commercial organizations throughout the various states, the club points with no little degree of pride to its new home in Brainerd.

At home in the new magnificent Iron Exchange building, erected in 1911 by local capital at a cost of over \$100,000.00, the club's quarters occupy a space of over 4,000 square feet, supplied with fittings and accommodations that challenges comparison with any commercial organization in any city of its size in the country.

In the club's remarkable advancement it has only grown apace with the growth and development of one of the progressive, prosperous, up-to-date cities of Minnesota. Its members recognize that the problem of the hour in every progressive city is industrial and commercial development; that cities and communities must keep pace with each other and take every advantage of this great movement. It means the development of state and rural highways; advancement of agriculture; larger

The first law business I ever did was in Brainerd. All the law business I ever did, I performed while a resident of Brainerd. I first established an office in Brainerd just after my admission to the bar. Nearly all my interests are in Brainerd and Crow Wing county. Whenever I hear or see anything that I think will result beneficially to this city, it pleases me. If I see Brainerd with a population of twenty or thirty thousand and still growing, scores of shafts being operated in different places in the county, cultivated farms all over the county, many loaded iron trains leaving the county for the lake daily, and the city and county full of people, life and vim, I can go way back and sit down and smoke a Havana in happiness.

and better market and transportation facilities, and other problems of equal import, which our club is today meeting face to face.

Its directors and men at the head of the organization are business men in whom the confidence of the community is reposed. Men qualified to apply the principles of successful business to the problems of development, necessary to the healthy condition of our city and community. Men who recognize that co-operation and good-fellowship is the key note to the success and promotion of good citizenship; that confidence begets confidence and enthusiasm is contagious, and that no man can reach his highest efficiency as a good citizen so long as he attempts to stand alone.

The club has no place in its ranks for the man who asks "what do I get out of it?" nor is there a place for such a person in the development of any community. The only good thing for him in his locality, is the trains which leave it.

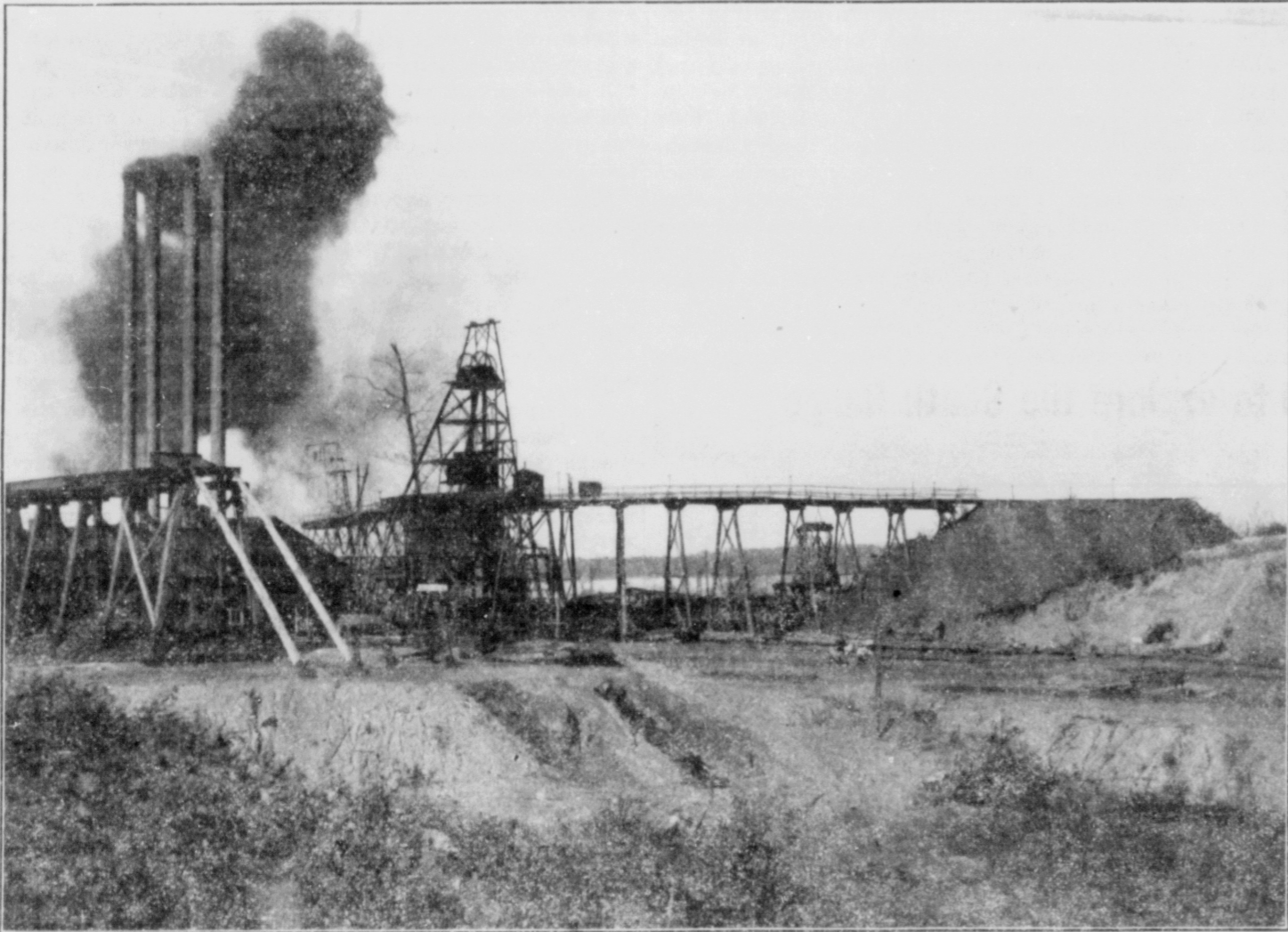
It has been said "that the main business of the modern city or community is the manufacture of souls of good quality." Of this type our club can today boast of a goodly number. Men who are alert to the times, who are not alone content to live a negative good life, but who have found time to reciprocate the favors under which they have prospered, by doing the one thing which makes men and society better—that which is given and not paid for—"Volunteer Service."

Laying aside every other accomplishment of the club's work since its reorganization, save that of an awakened interest of its members in the support of, and contribution to, every movement for the promotion and advancement of the good of Brainerd and its community, is in itself an accomplishment of which the club can be justly proud. It is one that will not end in a year, nor in two, but will continue on indefinitely, shaping the foundation of the club's work to the realization of a most prosperous and successful future. A future in which every citizen of Brainerd may eventually be united in the feeling, "It is fine to know that I am doing something good for civilization, and for Brainerd; that I am a member of the Commercial club of my community."

ICE PLOW FOR SALE

JOHN A. HOFFBAUER
Brainerd Dispatch,
Brainerd, Minn.

Type of Iron Mines Which Will Be in Operation Near Brainerd, Barrows and Deerwood



The Kennedy mine of the Rogers, Brown Ore Co., at Cuyuna, is the first producer of the Cuyuna iron range, and is a type of the iron mine which will soon be in operation at and near Brainerd and near Deerwood and Barrows. The Kennedy in 1911 shipped 147,500 tons of ore. At present the company has 42,000 tons of ore in the stock pile, a much better average than for the corresponding period last year. The Kennedy will ship in 1912 a total of 200,000 tons, all contracted for.

All stock in the company sold out last summer. The stockholders in Brainerd, at the time of the sale, had then received in dividends \$4.00 for one invested. When the sale was made they received twelve dollars more for one invested, which amounts to sixteen dollars for one invested. Mr. White is said to own a large amount and had full control of the business of the Company. He would not sell his stock unless they took it all, thus protecting all the small stockholders. The stockholders of the Orelands Mining Company, so far as I know, express themselves very highly about Mr. White's squareness, honesty and integrity. Mr. White is said to have had very little wealth when he helped to start the Oreland Mining Company, but when he sold his stock he alone received a bank draft of two hundred and fifty thousand dollars. His interest in the Brainerd Mining Company may be equally as valuable.

Many of the people of this county were skeptical about there being any iron in this part of the state until the Kennedy mine commenced shipping ore. Now the whole northern part of the county, east and south of the Mississippi river is one vast field of push and bustle. Towns springing up frequently, many shafts being sunk and drills working everywhere. The Kennedy shaft commenced shipping ore last spring. The country from the east side of Rabbit lake, southwest to Little Rabbit lake, north and west to the Mississippi river, and as far south as they have drilled, seems to be underlaid with vast bodies of iron ore of high grade. On sections 30, 46 and 28, two or three miles southwest of Deerwood—large quantities of ore have been found. If anyone desires to locate this shaft, by examining an N. P. folder they will find it about one mile southeast of Klondike. The iron seems to be found in veins in most places, varying in quantity and quality. Generally the iron veins run approximately southwest and northeast. Where I have had some experience I find the iron vein is one hundred feet, more or less, in width. By width I mean the length of a line running through the vein parallel to the surface of the ground. The length of that line I would call the width. Its thickness would be at right angles to the width. Anyone can get something of an idea of these veins by taking a board, extending about northeast and southwest, hold it up perpendicular. This is your vein, then lean the top of your board to the northwest—then the vein dips to the southeast. Then lean your board to the southeast—then the vein dips to the northwest. Some of these veins extend some distance down into the ground but get leaner (so called by miners) the farther

do not know what sort of an instrument a dip needle is. I did not until I saw one. A dip needle is a compass needle fixed on a swivel surrounded by a rim to which a wire handle is attached. The dip needle will tell the holder what direction is north the same as a compass. Held in another position the north end of the needle will be down towards the earth if there is any attraction. A man who never saw a dip needle, if told how to use it, can find iron as well as one of fifty years experience. Pure iron ore does not affect the needle, but when mixed with rock it does. The drillers frequently find a substance called magnetic slate which some geologists claim is formed by the ore and slate mixing when in a liquid state. The liquid state is supposed to have been caused by intense internal heat at some former time of the earth's existence. Sometimes iron ore is found when the needle does not indicate any attraction—frequently not. Sometimes iron ore is found when the needle shows attraction—frequently not. There is no way of ascertaining whether there is iron ore under a certain point or not, except by going down to see with drill or otherwise. These smart guys who claim they can see a hundred feet into the ground and tell whether there is iron ore there or not, are like the student when he enters the sophomore year—he knows more than all the world beside.

There are three shafts being sunk on section 10-44-31. These shafts are about four miles south of Brainerd and within a few rods of the railroad running to St. Paul. This mineral land is owned by the Brainerd Mining Company. The Company drilled this land first and found iron ore. Then this Brainerd Mining company gave W. A. Barrows an option for a lease. Mr. Barrows' name was used for and he represented Mr. Pope of Pittsburgh. When the option expired, the lease was taken out in the name of Mr. Pope and he assigned the lease to Mark A. Hanna & Co., who are now sinking the Barrows shafts.

W. A. Barrows is entitled to the credit of the improvements now being made at Barrows and the Barrows shaft. It is now expected that they will begin to take out ore on or before June next.

The Martin Exploration Co. has an option for a lease on land along the ore vein for more than a mile and a half in the city limits. They have already found iron ore of high grade in large quantities in three forties and are still drilling. The Rosko land is included in the Martin Exploration Co. option. This land is the southeast quarter of northeast quarter of section 36-45-31. W. A. Barrows is entitled to the credit of

On another forty-acre tract in the city limits iron has been found and leased to the Northwestern Improvement Company. This iron ore is in Southeast Brainerd on Oak street west of Dodd's house.

The O'Brien Mercantile Co. has a mine on the same forty, south and east of said Dodd's house on Oak street. There are several other places, within the city limits, where the iron indications are good and I believe iron will be found there. Land within eighty rods of the city limits south, has been leased and the lessees are now paying royalties on it. Land within a mile of the city limits east has been leased and the lessees are now paying royalties on it. The people of Brainerd will wake up some morning and find it has a population of twenty thousand. I would not advise anyone to bet too heavily on my opinion. I started the iron boom in Brainerd in my mind three years ago, but it is very young yet. I have been mistaken so often I am losing confidence in my opinion and judgment. Many laugh when you tell them that within a few years Brainerd will have a population of twenty thousand or more, and a dozen or less millionaires. Brainerd must grow. It cannot help it. With shafts in the city and near it, the business will demand more extensive means of supply. Let us, for a moment, consider the chances of certain residents of Brainerd becoming millionaires. Con

O'Brien has a mine on the E½ NE¼ SE¼ section 30-45-30; another on the SE¼ NE¼ of same section; an interest in a mine on section 20 in same town; an interest in two mines in section 21 in same town, and an interest in one on section 22 in said town. I am informed that he is interested along the vein all the way to Klondike, but I do not know about that. I know that when I have been riding through the country, if I saw a well developed farm with nice building and a herd of blooded stock and asked who lived there, I would be told Mr. Blank lives there but Con O'Brien owns the place. If we continued our journey to where we were pretty sure a vein crossed the road, and asked who owned the land thereabouts, we would be told Con O'Brien. Go south, east and southeast to Mille Lacs, and you will find matters the same. There can be no doubt about the future.

R. J. Hartley is interested in most of those mines east of Brainerd above mentioned, and is receiving more money in dividends from iron mines than he can conveniently use. He and Con O'Brien pull together. Dolph owns a large tract of elegant farm land in 45-28 which is in line and may be worth a thousand times as mineral land. It is unusual when-

veins. Cut off a slice from one end of the vein a foot in thickness and we have ten thousand cubic feet. Sometimes twelve and sometimes fifteen



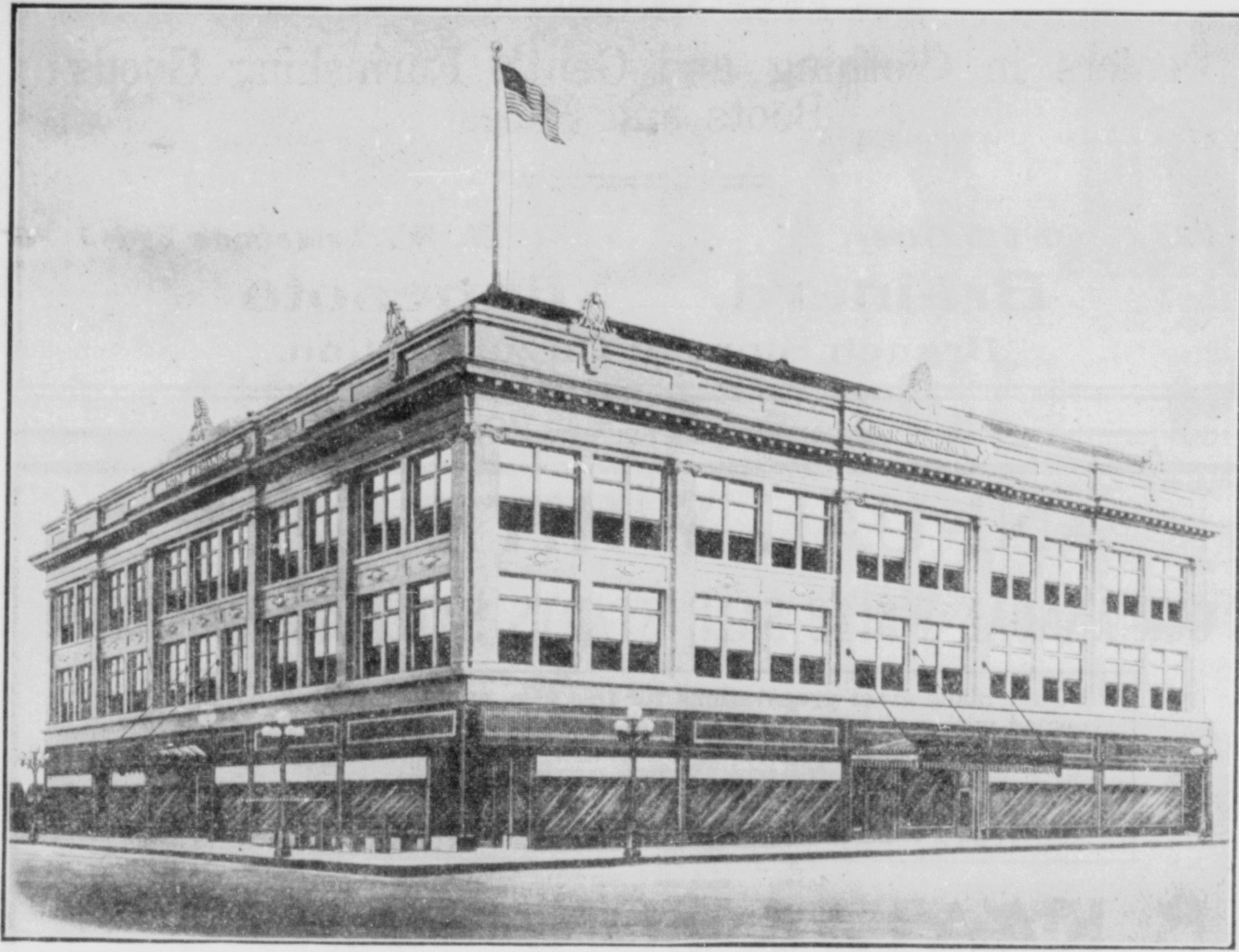
The Residential City of the Range

BRAINERD

BRAINERD IS the residential city of the range. There may be much speculation regarding other things but BRAINERD IS by natural position and by the benefits coming only to an older city, without question, the residential city for those who wish their families to enjoy the conveniences and benefits of an established city.

The excellency of her school system; her churches of all creeds; her playhouses; her public library; her social life; and her mercantile establishments are metropolitan in their character. Brainerd has been, is, and will be THE city of the range.

Home of The Brainerd Commercial Club in Iron Exchange Building



\$150,000 fire proof building recently erected. On the main floor are business establishments fronting South Sixth street. On the Laurel street side is the Iron Exchange hotel. On the second floor are offices. Occupying 4,000 square feet of floor space on the second floor are the quarters of the Brainerd Commercial club. On the third floor are the halls of many of the prominent lodges of the city.

A HANDSOME POSTOFFICE

Situated on the southeast corner of Maple and South Sixth streets is the new postoffice recently completed. a handsome structure one story and basement in height built in the modified renaissance style of architecture. Broad grounds surround it. The structure is built of high grade Menominee sand mold brick trimmed with Bedford Indiana lime stone employed in its sills, keys and cornices. The steps are of Kettle River sandstone. The panels over the windows are of Vermont marble.

The lobby measures 13 by 60 feet. The ceilings are 17 feet high. The work room measures 40 by 42 feet. Furniture and fixtures, safes and vaults, filing devices and the keeping of records are as well arranged for as modern ingenuity can suggest. The building was built from plans drawn by James Knox Taylor, the supervising architect of the government. N. H. Ingersoll is the postmaster of this city and his occupation of the new



BRAINERD'S NEW FEDERAL BUILDING

building was marked by the opening patronized, which has quarters in the of the postal savings bank, now well federal building.

FRANK A. GLASS
Mining Engineer

Direction of Explorations,

Examinations

General Engineering Practice

Citizens State Bank Building,

Brainerd, Minn.

LOUIS KNUDSEN
Civil Engineer and Surveyor

All Engineering and Survey Work Promptly Taken Care of and Correctly Done.

Get Knudsen's Map of the Cuyuna Range
Brainerd, Minnesota



ON THE SQUARE

This Store Sells Clothing on the Square

We furnish our patrons with clothing that will do its duty and never cause a disappointment.

We secure the best clothing that the country's best manufacturers know how to produce—clothing that's absolutely right.

We price it to sell at the lowest margin possible, allowing ourselves a living profit, and stand ready to make any wrong right or correct any error that may occur.

We want your patronage today, tomorrow, next month and next year, we want it as long as we are in business.

We shall endeavor to win and hold it by
"Selling Clothing on the Square."

Cullen Block
Brainerd,
Minnesota

Bye & Peterson

Cor. Front
and
7th Sts.

Better Than Ever

Our stock of Pure Drugs and Fancy Stationery is Better than Ever and we Guarantee that When You get it at DUNN'S It's Right.

H. P. DUNN, Druggist
Brainerd, Minnesota

CLEARANCE SALE

For One Week beginning Thursday, January 18th we will give you a chance to save money on framed pictures. We offer you over Three Hundred subjects at just One Half their value. We can please you as we have a large line of fine goods and the price will be cut square in two. Remember the Date, January 18th. to January 25th. Come early to get first choice.

Losey & Dean

The Iron Exchange
Clothing and Gents' Furnishing Store

C Katz, the proprietor, announces the opening of the "Iron Exchange Clothing and Gents' Furnishing Store" and assures the public that the motto of the store will be

One Price and a Square Deal to All

Iron Exchange Building,

BRAINERD, MINNESOTA.

Corner Sixth and Laurel Streets

"The Perfect Hotel"

Brainerd, Minn.

120 Guest Rooms
10 Public Baths
30 Sample Rooms
60 Rooms with private bath

American Plan

Centrally located, a half block from N. P. Railway Station

Headquarters for all Conventions

THE RANSFORD HOTEL

L. D. Bailey, R. R. Wise,
Mgr. Prop.

IRON EXCHANGE ARCADE
Sporting Goods Store

Everything in Fishing Tackle, Guns and ammunition of all kinds, Cigars and Tobaccos, Pipes and Smokers' articles, Confectionery, Hot and Cold Drinks.

R. D. KING, Brainerd

Her Wedding Dress Spoiled



She thinks, when trying on her trousseau and finding it spotted and soiled. It certainly is provoking, but right here is where our peerless methods of cleaning come to your aid. There's no spot too bad for us to remove, and the most delicate fabrics are cleaned equal to new at

CHRIST SCHWABE
Basement 624 Laurel St.
Brainerd, Minn.

Iron Exchange Hotel
NICHOLAS LAUER, Proprietor.
European Plan

50c and 75c
PER ROOM

CAFE OPEN DAY AND NIGHT

BRAINERD, MINNESOTA

Steam Heated
Electric Lighted

BUFFET IN CONNECTION

Day Phone 111.

Night Call 28 W

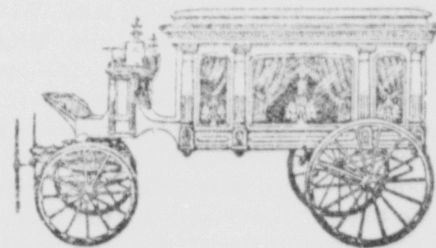
B. C. McNamara

FURNITURE AND UNDERTAKING

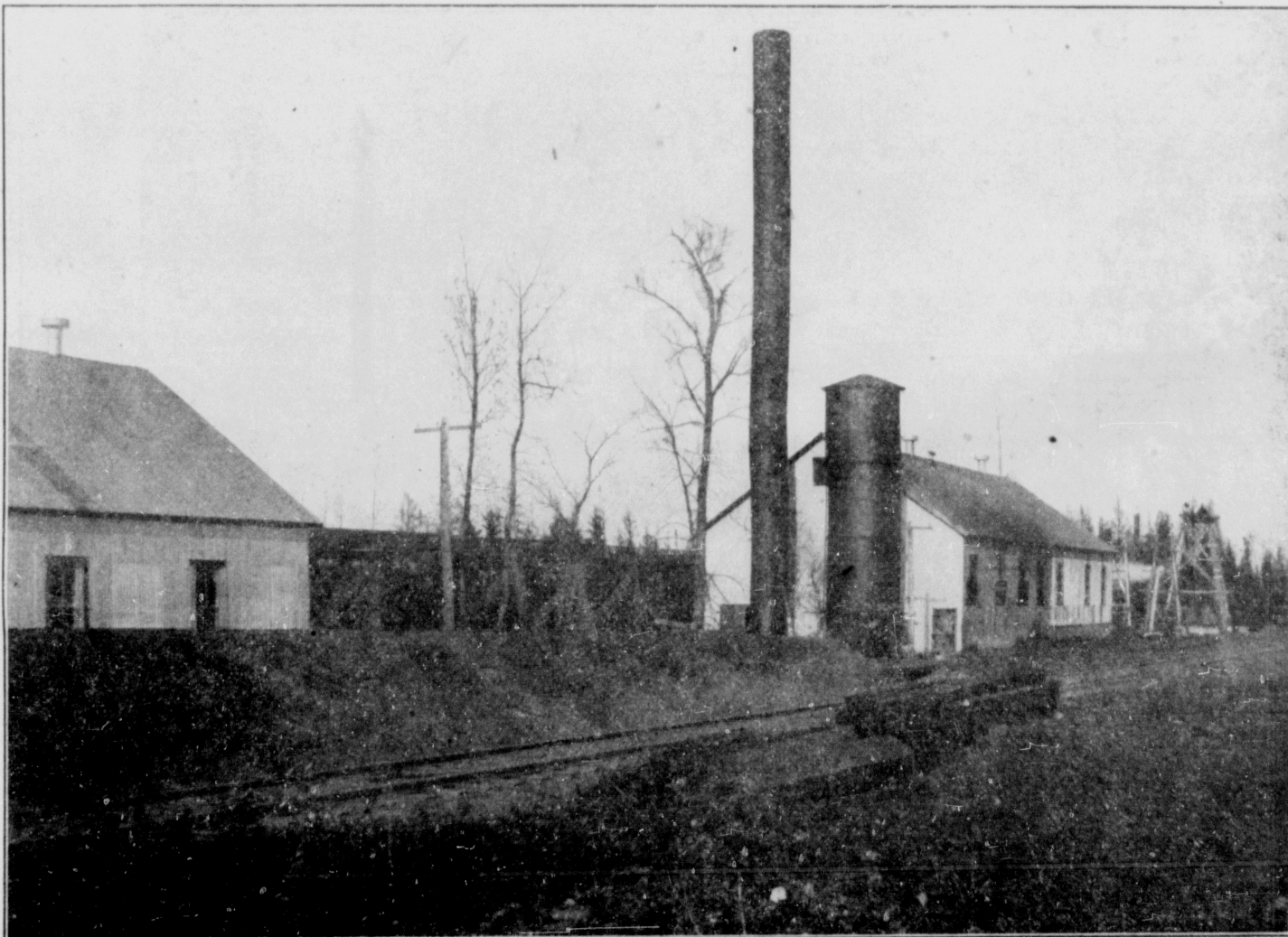
Imperial Block

LADY ASSISTANT

Residence Flat 3, Above Store



A North Range Mine Which Will Soon Be Duplicated On the South Range



The Thompson mine of the Inland Steel Co., situated near Crosby, is expected to enter the shipping lists this year. It is estimated to produce about 50,000 tons.

GIVES HISTORY OF BRAINERD MINING CO.

Attorney Wm. C. White, President of the Company, Writes an Article For the Dispatch

STARTED BUYING LANDS IN 1905

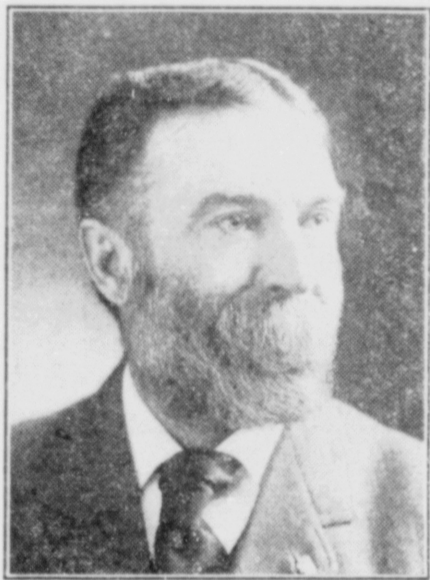
Pays a High Compliment to His Associates, R. R. Wise and Judge G. W. Holland

The Dispatch is indebted to Attorney Wm. C. White, of Milwaukee, Wis., for the following article on the Brainerd Mining Co., a company of which he is president, Judge George W. Holland, of Brainerd, vice president and R. R. Wise, of this city, secretary and treasurer.

Although a Wisconsin man, Mr. White and family spend their summers at Deerwood, where they have a pretty cottage and their time is divided between Brainerd and Deerwood. Mr. White's letter is as follows:

416 Lake Drive, Milwaukee, Wis.,
January 1, 1912
Editor of The Brainerd Dispatch,
Brainerd, Minn.

Dear Sir:
I have yours of the 29th ultimate, asking that I write something for your January 19th edition of the Dispatch, concerning the Brainerd Mining Co. I think that Messrs. Wise and Holland, of Brainerd, would be



R. R. WISE
Secretary and Treasurer Brainerd Mining Company

better men to refer to, as they are Brainerd citizens and very heavy stockholders of the company, and know its history because they have been responsible for a great deal of its success.

I shall write no "boom" article, if I say a few words about the Brainerd Mining Co., which had its origin in the brains of Messrs. R. R. Wise, Judge Geo. W. Holland and myself, I think early in 1905, when on looking over the country directly south of Brainerd, Mr. Wise and Judge Holland found some very persistent mineral attractions and invited me to join them in seeing whether they were sufficient to make the organization of a mining company desirable.

We picked up some two miles of attractions that were so persistent that we decided to acquire the property and form a company to explore it and, if advisable later, to develop it. This we did, and began by drilling on certain of the property, on which we spent some \$8,000 and found such strong evidence of what we wanted, that we paid for the lands and held them awhile, awaiting other developments.

After three or four years, we interested Mr. W. A. Barrows and Mr. Pope of Pittsburgh in the property, and they did further exploring which resulted in showing up something like 1,000,000 tons of merchantable iron ore on one 80 of the property, and very strong indications of good ore on others.

In conjunction with Messrs. Barrows and Pope, we leased the 80 on which good tonnage had been proven, to M. A. Hanna & Co., of Cleveland, Ohio, one of the best known

and most successful independent furnace companies in the United States; which company is now sinking two shafts on the 80 in question and has timber ready for a third.

We believe we are to be congratulated upon having interested a company which will, if successful in reaching the ore body, begin immediate mining, for use in their own furnaces, and thus be among the first to develop practically the new range that means so very much to Brainerd. That they will succeed there is hardly room to doubt, and they already



Geo. W. HOLLAND
Vice President Brainerd Mining Company

have one shaft about four-fifths of the way down to the ore body and another well under way; and their buildings and machinery are second to none on the range, north or south.

I predict that less than another twelve months will see ore moving from the Barrows mine of the M. A. Hanna & Co., in a steady stream, and that not only this mine but others will become factors in the growth of Brainerd and its vicinity in the very near future; and no persons will have been more instrumental in the development of that part of the range in which the Barrows mine and others will be operating, than Messrs. Wise and Holland.

Very truly yours,
WM. C. WHITE.

CUYUNA-DULUTH IRON COMPANY

This Company Has Many Local People Interested Therein With Several Holding Office

SOON TO DRILL SOUTH RANGE

Contracts Have Been Let to Drill the Bane Farm Situated a Short Distance East of City

One of the most energetic mining companies in the field is the Cuyuna-Duluth Iron Company in which many local people are interested and in which several hold office or are on the board of directors.

The officers of the company are John Helmer, president; Otto J. Wendlandt, first vice-president; C. B. Rowley, of Brainerd, second vice president; E. J. W. Donahue, secretary; W. H. Locker, treasurer.

The directors include John Helmer, Otto J. Wendlandt, E. J. W. Donahue, W. H. Locker and W. H. Denny, of Duluth; C. B. Rowley and E. C. Bane of Brainerd; R. C. Mast, of Superior, Wis.; C. J. Galarneau, of Foley, Minn.; David Murray, of Ashland, Wis.; Thomas McGuire, of Staples, Minn.

The operations of the company, so far, have been confined to the north range. They expect, however, to commence drilling on the south range very shortly. At the present time the Cuyuna-Duluth company controls the northwest quarter of section 16-45-29, which is a state lease. The corporation has purchased outright the north half of the northwest quarter of section 36 and the north half of the northeast quarter of section 35-45-30. They have also contracted to drill the northeast quarter of sec-

tion 28-45-20, the Bane farm, and have also taken an option for a lease and will drill within a very short time the south half of the north half of section 32-45-30.

On the north range the company has one drill at work on section 4-46-29, which is on its fourth hole in good ore. The other three drills bottomed in ore at from 230 to 235 feet. There are also two other drills at work in the same township, one in section 2 and the other on section 16. The Cuyuna-Duluth Iron Company has also just purchased outright 120 acres from Fred Markwardt in section 1-46-29.

With the property now controlled by this company and the results so far obtained, the company is certainly starting out very nicely, having altogether control of about forty-one forties at this time.

INGALLS MOTOR BOAT CO.

The Safe, Speedy and Efficient Company With Launch Service on Serpent Lake

Operating a system of modern launches, safe, speedy and comfortable between Deerwood, Crosby and the Ironon docks is the Ingalls Motor Boat Co., of which H. Ingalls is the president and treasurer and E. G. Ingalls is the secretary and manager. Part of the company's equipment will be kept at Deerwood.

The company is at present building a 40 foot cabin boat very similar to the Twin City in which will be installed a 30 horsepower Doman marine motor giving the boat a speed of 15 miles per hour.

The company will also enlarge the waiting room at Deerwood and will put in a sufficient number of row boats and canoes to take care of the trade from Deerwood. In addition to the boat which is being built the company will also keep one of its 25 foot launches at Deerwood.

As soon as the snow goes off the Ingalls Motor Boat Co., will erect a residence on the south end of their lot in Deerwood and one of the members of the firm will reside there.

A six cylinder 50 horsepower Doman motor is being installed in the Twin City which will ply the waters the same as in the past. With the boats and launches which this company has and the good service, prompt and efficient, which it has given in the past, the Ingalls Motor

WILL SINK A SHAFT IN SUMMER

Chas. C. Jones, Vice President and Manager of Martin Exploration Co. Writes Article

SHAFT TO BE IN S. E. BRAINERD

Large Acreage the Company Controls Will Necessitate Continuous Drilling This Year

That the city of Brainerd is soon to have a mine in operation within its very borders, located probably at some point in Southeast Brainerd, is evidenced by the following letter from Charles C. Jones, vice president and manager of the Martin Exploration Company, with offices in the Lyceum building at Duluth. The communication states:

To the Editor of The Dispatch,
Brainerd, Minn.

Dear Sir:—
I wish to acknowledge receipt of your letter of December 29th, requesting an article from me on the subject of the Cuyuna range. It seems to me that the contributors you have named are more competent to elaborate on this subject than I am.

I will say, however, that we are entirely satisfied with the results of our drilling operations which have been carried on upon the lands owned by Mr. Neimeyer et al, Judge G. W. Holland and Mr. Henry I. Cohen, having disclosed a large body of merchantable ore.

The large acreage which we control will necessitate continuous drilling throughout this year.

I can not state definitely when sinking operations will be commenced but in all probability a shaft will be started the coming summer.

Judge Holland will no doubt be willing to give you an article on his lands. I hope your edition will be entirely successful.

Yours very truly,
CHARLES C. JONES,
Vice President and Manager of the Martin Exploration Co.

Boat Co. is well able to handle all the passenger and freight traffic it may get on the lake this coming season. One of its conveniences is also a large barge used for conveying dancing parties and hauling freight, etc.

... SEE ...

E. A. LAMB

ABOUT

Lake Shore and
Acre Property

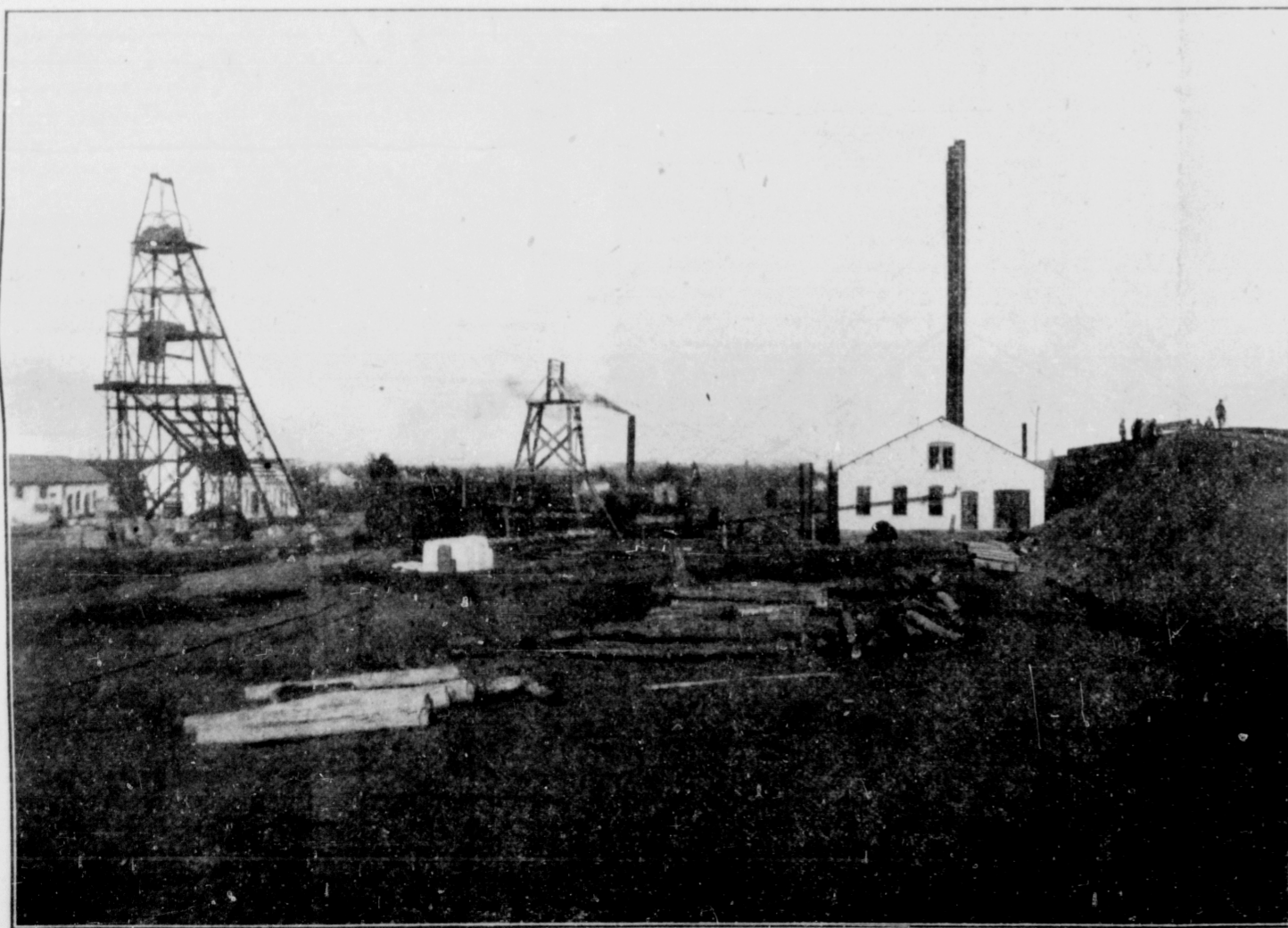
ADJACENT TO

Crosby and Deerwood

Office of

Helmer Exploration Co.

Deerwood, Minn.



The Armour No. 1 mine is shown with the Armour No. 2 mine in the distance. Both of these mines will enter the shipping lists in 1912. The Armour No. 2 is expected to produce 75,000 tons of ore and the Armour No. 1 about 40,000 tons. Two levels are being opened in the Armour No. 1 mine, one at 200 feet and the other at 300 feet. A 2,000 gallon Prescott pump is being installed at the 300 foot level of the Armour No. 1 mine. A 2,000 gallon compound Prescott pump is being installed at the 168 foot level of the Armour No. 2 mine.

B. Soloski & Company

Soloski & Levant Props.

Dealers in Clothing and Gent's Furnishing Goods
Boots and Shoes

223 South 6th Street

N. W. Telephone 291-J

Brainerd, Minnesota

Branch Store at Cuyuna, Minn.

ANNUAL WHITE SALE

OUR ANNUAL WHITE SALE STARTS SATURDAY, JAN. 20th

We have made great preparations for this sale, and our efforts have been crowned with success. Come and see the beautiful line of Embroideries, Laces, White Goods and Muslin Underwear we are showing this season.
OUR PRICES DEFY COMPETITION
Bargain prices on all bleached and unbleached Sheetings, Cambrics and Pillow Tubing while our stock lasts.

B. KAATZ & SON, EAST BRAINERD

203-205 N. E. Kindred St.

INVESTIGATE OUR PLAN
of selling BICYCLES for
Spring and STEEL RANGES
for only.....

17c per day

W. E. LIVELY, Brainerd, Minn.

We Just Keep on Growing AND Growing
and Can't Help it

How the Deposits of This Bank Have
Grown Under the New Management:

September 1st, 1910.....	\$22,626.16
October 1st, 1910.....	26,424.82
November 1st, 1910.....	37,389.16
December 1st, 1910.....	43,827.56
January 1st, 1911.....	41,160.65
February 1st, 1911.....	48,340.32
March 1st, 1911.....	52,589.07
April 1st, 1911.....	64,505.39
May 1st, 1911.....	69,056.84
June 1st, 1911.....	79,877.51
July 1st, 1911.....	91,554.69
August 1st, 1911.....	92,975.29
September 1st, 1911.....	96,132.64
October 1st, 1911.....	102,582.43
November 1st, 1911.....	116,432.63
December 1st, 1911.....	116,940.35
December 6th, 1911.....	\$118,309.67

We are growing. Why not grow with us?
We Pay Interest on Saving Accounts.
Money to loan on approved security.

THE BRAINERD STATE BANK

J. P. ERNSTER, President.

L. M. DEPUE, Cashier.

BRAINERD, MINNESOTA

WM. GRAHAM Brockway
& Parker

Pianos and Everything
Pertaining to Music

Staples and Fancy Groceries
Flour, Feed and Provisions

W. F. HOLST

Dealer in Wagons and Agricultural
Implements of Every Description

Owner of the Crow Wing Co. Elevator
Highest Prices Paid for all Kinds
of Grain

210 So. 6th St.

Brainerd, Minn.

211 So. 7th St.

Brainerd, Minn.

BARROWS

Will have 1500 Population in 18 Months

Lies Between

TWO of the LARGEST ORE BODIES on the South Range

No better Business Location on the Cuyuna Range than at Barrows

Lots Sold On Easy Terms

E. C. BANE,
Sales Agents
J. H. KREKELBERG,
See Cuts of Barrows Mine
Brainerd, Minnesota

PROGRESS MADE AT BARROWS MINE

Supt. I. S. Roe of M. A. Hanna & Co.,
Writes Dispatch a Comprehensive Article

DESCRIBES MINING PROPERTY

Equipment of the Mine—The Laundry—
The Use of the Water Boxes in the Mine

To Editor of the Brainerd Dispatch,
Brainerd, Minn.

Dear Sir:—
In answer to your request for a short article on the progress of the work at this M. A. Hanna & Co. property, I will endeavor first, to explain simply a few points about which the people of Brainerd seem to be in doubt.

The ore body which we expect to mine, lies to the southeast of, in close proximity and parallel to, the Northern Pacific right-of-way near the new townsite of Barrows.

This block of ore does not lie in a vertical plane, but dips at a slight angle from the vertical in a southeasterly direction. On either side of the ore is a wall of rock; that lying to the northwest and slightly underlying the dipping lens, is called the foot-wall; while the rock slightly overhanging the ore and lying to the southeast, is the hanging-wall.

If the surface material, usually sand, gravel or clay, were removed, what is commonly termed the ledge would lie uncovered, exposing to view a band of ore several hundred feet long with rock lying to either side of it.

Very often this surface carries a considerable amount of water, especially on the newer ranges. In the older mining districts, where producing mines have been operating, the ground is usually found to be well underlaid, due to the agency of the underground mine pumps which have been sending large streams of water up through the shafts for a number of years. This is not always the case however, and some very wet shafts have been sunk close to producing mines in the old districts.

At Barrows the surface is composed mostly of quicksand, which may be defined as a body of very fine sand, each grain of which lies coated and surrounded by water, and underlying which is a stratum of some material impervious to water. It is incapable of supporting the weight of an object but exerts great pressure against the sides of same when it is immersed to any considerable depth.

Down about 65 feet we find a layer of hardpan which is nothing more than an agglomerated or solidly cemented mass of clay, gravel and boulders. It is 15 feet thick, and underneath again we have about 35 feet of quicksand lying on the ledge.

We are at present attempting to sink three timber shafts through this

surface material to ledge. The first was started primarily as a test shaft and is bottomed at 80 feet in the hardpan above referred to. The third, the sinking of which has just begun, is a large five compartment ore hoisting shaft.

We considered conditions that we met in our first shaft serious enough to warrant our sinking a solid timber drop shaft, and therefore started number two shaft as such. We are down at present a little over 50 feet with same. This shaft is unique in a few respects, and some innovations in drop shaft sinking are being tried out that have not so far, I believe, been used on the Lake Superior ranges. To explain these in detail would require too much space and many diagrams, and besides would probably not be interesting to any but mining men. I have occasion to think that a certain prominent mining man intends writing concerning this drop shaft in a future government bulletin, and I therefore might refer those interested in details to a possible article from his pen.

Let it suffice to say here that a solid timber drop shaft is like a rectangular block house, open at the top and bottom, with the timbers connected vertically by heavy iron bolts. It is heavily and sharply shod with steel at the top, while the sand is hoisted in buckets from the bottom and conveyed away from the shaft by an aerial tram.

Pumps were placed in this shaft to handle the water and it was sunk to a depth of 55 feet, from which point twenty-four 3-inch pipes were washed down through the sand to the top of the hardpan. Two rock drills with 22 feet of drill steel, were then rigged up and holes drilled down through the pipes in to the hardpan. These holes were charged with dynamite and fired, sixty-four sticks of 60 per cent powder being used in each blast, the sand acting as a cushion against the bottom of shaft. We have good reason to believe that we have broken up the hardpan, boulders and all, and expect no difficulty in passing rapidly through the same.

Our final preparations for putting the shaft to ledge are now almost complete. They consist, in the main, of two general schemes and the company confidently expects to put the shaft to ledge with the aid of these.

When at the ledge, the shaft can be sealed with concrete, as pipe connections for pumping in cement were installed when the shoe was built. All joints between the timbers have been caulked well with tar and oakum.

One other innovation which I might mention and which, I think, has never before been tried, is the use of a large water box built in one end of the shaft about 40 feet from the bottom, and into which the shaft pumps discharge a mixture of sand and water. This box is 16 feet deep and the sand settles to the bottom, flowing from there through a spigot and pipe back to the bottom of the shaft. The clear water at the top of

the box is handled by a Prescott sinking pump and discharged directly into the main launder. This scheme has two distinct advantages; it avoids pumping a mixture of sand and water against the pressure of a long pipe line, cutting the expense for hydraulic packing in half. (This may be appreciated when I state that it costs this company more than \$20.00 a day to pack the pumps in one shaft); it avoids the possibility of that pipe line plugging with sand and freezing, a condition very common and which causes much trouble around mining operations.

As the mine lies in a natural basin, the water pumped from the var-

and Marion flue blowers, have been installed together with one 1,000 H. P. Hoppes feed water heater. In the shops, a large lathe, two drill presses, a grinder and a band saw, have been set up. The shaft and shops are supplied with compressed air by an Ingersoll-Rand five drill air compressor, which will be sufficient to do the preliminary development in rock underground.

In addition to the above, the company has erected a roomy warehouse, and a large barn for the mine horses. They have furnished the office men with a comfortable building with bed rooms and bath upstairs. They plan the erection, during the summer,

I have written the above, not for the few men in Brainerd technically interested in mining, nor for those, in fact, who are at all familiar with mining properties and operations, but chiefly for your readers, the majority of whom, I presume, have little idea of a mining operation.

I trust that it will interest these, and am,

Very truly yours,
IRA S. ROE,
Superintendent.

An Index.

A man is known by the importance of the things which he gets angry about.—Puck.

NEWS ITEMS OF TOWN OF BARROWS

Methodists to Build Church in Spring
—Postoffice Opened at Barrows

CHURCH SERVICES AT SCHOOL

Quackenbush Bros. Building Residence for Capt. Chas. Mathews
—Other Improvements

Miss Ethel Porter is clerking at the Quackenbush Brothers store.

The residence of Surface Foreman George Parmalee was recently com-

and feed. The postoffice is in this building.

The postoffice has been opened at Barrows and residents of the town are delighted to get their mail at the postoffice presided over by E. S. Klasey instead of having to make a trip to Crow Wing or Brainerd for their letters and papers.

Pete Anderson, whose boarding house has been recently finished, has his quarters filled. All boarders are satisfied with the meals and Pete said: "If I put an ad in the Dispatch I don't see where I would put another boarder. We are filled to the roof."

It is reported that the Methodists who have been holding services at the school house, will build a church in the spring. The services every Sunday afternoon are under the direction of Rev. Charles Fox Davis, pastor of the First Methodist church of Brainerd.

Quackenbush Brothers, the firm being composed of A. Quackenbush formerly of Proctor and E. B. Quackenbush, formerly president of the Rogers Manufacturing Co., of New York, have the large general store in Barrows. They handle general merchandise, lumber and hardware and also do a large contracting and building business. They recently completed a potato warehouse. In the spring they will build an addition to their store which is on Division street near Barrows avenue. They have the agency of the Northern Express Co.

A. F. GROVES, M. D.

Practice Limited to
Eye, Ear, Nose, and Throat
GLASSES FITTED CORRECTLY
Office Iron Exchange Building

When you want Job Work of the best quality give The Dispatch a trial.

At Bane's

Some bargains that out of town people have told me to sacrifice and sell:

Eighty acres in Sec. 1, St.

Mathias -----\$ 600.00

Fine house and barn, three

lots, corner Fir and Broad-

way -----\$1600.00

Forty three acre vegetable and

chicken farm, buildings and fruit

trees.

One hundred and fifty acre lake

shore property, ½ mile lake shore,

one mile from station.

Lake shore lots on Cullen, Clear-

water and other beautiful lakes.

Lots in BARROWS will double this

summer. The Barrows mine will be

taking out ore in a few months.

I can sell your house or farm if

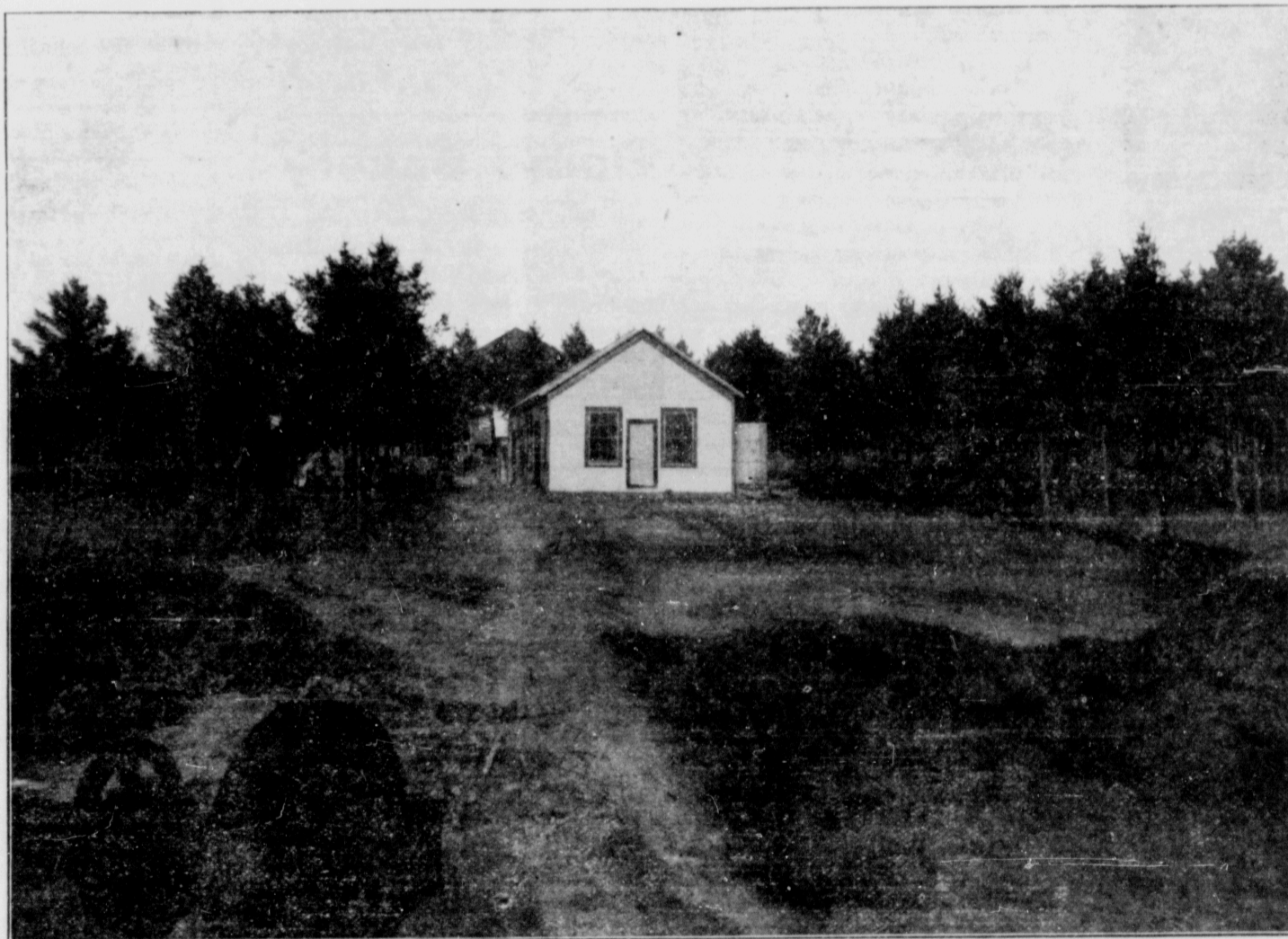
the price is reasonable.

List it now—No sale, no cost to

you.

E. C. Bane's Real Estate Agency

Bane Block, Ground Floor.



Shop of the Barrows mine of the M. A. Hanna Co., showing the two story office building in the distance. Mining machinery is seen in the foreground. The woods in all their natural beauty surround the mine offices.

ious shafts, must be conveyed to a point from which it will flow naturally away, and not back to our shafts to be pumped over again. To do this we built a launder (merely a wooden box) 3300 feet long, capable of carrying 2,000 gallons of water and a quarter ton of sand, every minute. This launder empties into Buffalo Creek and may be seen along the Northern Pacific right-of-way as one travels from Brainerd to Barrows.

This company has built two twelve room houses for the men, one at the townsite and one at the mining location; at the latter place they have also erected pleasant houses for the timber boss and the mining captain.

They have built a boiler house 44 feet by 42 feet and a shop building 60 feet by 30 feet. In the first, two 150 H. P. Kewanee return tubular boilers, equipped with Martin grates

of a modern change house 60 feet by 40 feet, for the men, equipped with lockers, baths and other conveniences; also an engine house 60 by 40 in which they will install a large hoist, an air compressor, and an electric current generator for the haulage system and lights.

The Northern Pacific railroad has built two spurs at Barrows, one at the townsite and the other into the mining property, and we are well served in the matter of freight. The mine spur will be replaced during the summer by permanent ore and coal tracks.

I think it safe to assume that the mine will produce ore during the coming summer, but I would not care to make an estimate of how much, or whether any will be shipped.

The Ruling Spirit.

Sitting at a cafe in Paris one evening, I heard a woman's idea of war. An affectionate young couple were audaciously making love over some bavarolise au chocolat. The girl was telling machere all manner of pretty things that ran something like this: "What a pity there will be no war after all! You would have been wounded, and I should have gone out to nurse you in such a pretty costume d'infirmerie!"—London Black and White.

Richter's Criticism.

On one occasion Hans Richter was present at a concert given by a brother composer at which the latter performed a long and not particularly interesting work of his own. When the composition came to an end Richter expressed his criticism in a very few words. "Well," he said, "I, too, had written compositions to make a pile so high," raising his hand three feet from the ground, "but I had burned them!"

Capt. Charles Mathews is having a six room house built by Quackenbush Brothers.

Miss Lillian Chadwick, of Brainerd, is teaching school in town and has 20 pupils.

Archie Hagadorn, formerly of Brainerd, who is working at the mine, has opened a lunch counter on Barrows avenue near Division street.

A lot, it is said, has been acquired by the Catholic church and it is reported that a church may also be built by this denomination.

John D. Gile, formerly of Brainerd, handles a line of standard goods. His cigars, of which he buys many in Brainerd, are of extra good quality.

The Klasey meat market, a two story building 24 feet square on Barrows avenue has been recently completed. Mr. Klasey also handles flour

MR. BARROW'S WORK ON THE SOUTH RANGE

W. A. Barrows, Jr., Has Been Identified With the Cuyuna Range the Past Six Years

BARROWS MINE NAMED FOR HIM

Numerous Fee and Lease Interests Owned by Him With Duluth and Pittsburgh Associates

W. A. Barrows, Jr., for whom the mine and townsite are named, has been identified with the Cuyuna iron ore district for the past six years. While general manager of the Shenango Furnace Company, his attention was called to the discovery of what promised to be a new iron mining district, and, acting for his company, he purchased considerable land along the lines of magnetic attraction on the North Range. This land has not been developed. A year later Mr. Barrows purchased on his own account land on the South Range now held in fee by The Barrows Iron Land Company and leased to the Northwestern Improvement Company. Other fee and lease interests on the South Range are owned or controlled by Mr. Barrows with his Duluth and Pittsburgh associates.

Leaving Rutgers College in 1886, Mr. Barrows served as a chemist to the different blast furnace interests of the Mahoning & Shenango Valleys until 1897, when he was appointed superintendent of the blast furnace department of the Mahoning Valley Iron Company at Youngstown, Ohio. Later he had charge of other valley furnaces, and in 1901 was appointed general manager of the Shenango Furnaces at Sharpsville, Penna. The Shenango furnaces under Mr. Bar-

rows' supervision were the first furnaces to operate continuously and successfully on an "all Mesabi" ore mixture. This success led Mr. Snyder, the owner of the Shenango Furnaces, to secure the Mesabi range properties now held by him and his company, containing probably seventy-five million tons of ore.



Aerial Tram over No. 2 Shaft, Barrows Mine.

Earlier explorers had from time to time shown samples of Cuyuna ore and drill cores, which, while not in-

lines increased in magnitude a short distance west of this river and continued in the same southwesterly course to Randall where they digress more to the south. Several lines of attraction are in this general belt and the country which they traverse is more particularly described as townships 131-30 and 131-31. The general trend of this district would definitely place it as the continuation of the south range.

In 1909 he secured an option for lease from the Brainerd Mining Company on their lands in Sections 10 and 15, T. 44, R. 31, and with Mr. C. E. Pope, of Pittsburgh, developed what is known as the Barrows mine, now being opened by M. A. Hanna &

Some drilling has been done in this district but true to the history of the early work on the now known south range the drillers encountered the lower grades of ore and were discouraged or gave up for the lack of capital. Only few holes were put down in each piece of work and it really did little more than prove the formation, yet hurt the country. Daniel Waite and associates have kept three drills steadily at work all the past summer and fall and at present have one drill prospecting near Randall. No definite information has been given out by these men but it is gener-

ally believed that they have proven up good ore and many tons of it. Francis W. Sullivan and J. T. Hale have been drilling in section 35-132-30, for these lines cross the south most part of this township, and the same conclusion is drawn here that good ore or at least great encouragement has spurred them on as their drill has been active for more than a year. It is understood that this drill will move southwest to section 8-131-30 within a few weeks.

Later prospecting work showed five light lines entering this county in township 132-29 and extending southwest through 132-30 and 132-31 to Lincoln and from the general trend prospectors believe that this is a continuation of the north range. No drilling has been done here as yet but the coming spring will see this coun-

try active. This district of light lines has been purchased recently by Minneapolis and St. Paul and Duluth parties whose usual custom in such matters is one that leads one to believe that before long it will be definitely known what these townships possess in the way of wealth.

To the north of this last mentioned district comes what is known as the Rogers Brothers range. This is land that the Messrs. Rogers of Minneapolis purchased three years ago upon the advice of a mining engineer who has great faith in this portion of Morrison county. Messrs. Rogers are bidding their time in the development of their property, some four thousand acres, and if iron is lacking the lands have great value in the way of agricultural purposes. The land lies between the Prairie and Crow Wing rivers and is an immense hay meadow. Morrison county has not been condemned by any means and the fee owners are confident of the result of their investment. One mining man has declared that he sees no reason



Office M. A. Hanna & Co., Barrows Mine.

needed to demonstrate the iron concentration.



Power House, Barrows Mine

McCOLL'S BAZAAR STORE

Old P. O. Stand, 6th St.

HEADQUARTERS FOR

Stationery,
Blank Books,
Office and School Supplies
Typewriter Ribbons,
Oil, Etc., Etc.
Musical Instruments
and Strings

Home Bakery

Bread, Cake, Buns, Pies, Etc.
Orders Taken for Home Baking
Phone 392 J.
605 South Sixth Street. Brainerd

DR. C. A. NELSON, Veterinarian

Brainerd, Minn.

Quackenbush Bros.

LUMBER, CONTRACTING AND BUILDING
General Store

If you are coming to Barrows see us or write for any information you want.

We have been here since this town started.

We can help you locate.

We can put up your building or supply you with all the materials or anything else you need.

IRON EXCHANGE SALOON

Choice Wines, Liquors and Cigars



JOHN D. GILE, Proprietor

Barrows,

:-:

Minnesota

Barrows Meat Market

Meats, Flour and Feed



E. S. KLASEY, Proprietor

The Post Office is in Our Store

BARROWS,

MINNESOTA

DR. R. A. BEISE

PHYSICIAN and SURGEON

Citizens State Bank Block

Surgeon to the
Barrows Mine

Brainerd,
Minnesota

First National Bank Of Brainerd

The Oldest Bank in the City
Established in 1881

Capital \$50,000

Surplus \$50,000

DEPOSITORY FOR
Mining and Exploration Companies
of This District

Brainerd, Minnesota

IRON VALLEY MINING COMPANY

Brainerd Corporation Incorporated
Under Minnesota Laws with
\$100,000 Capital

TO MINE AND EXPLORE ORE

Company has Acquired Property in
the Northwest Quarter of Sec-
tion 10-43-32

The Iron Valley Mining Company is a Brainerd corporation organized under the laws of Minnesota and capitalized at \$100,000, there being 10,000 shares with a par value of \$10 each.

The president of the company is W. W. Barron, of the firm of Russell & Barron and the secretary is Dr. R. A. Beise. The company was organized to explore for and mine iron ore and has acquired the northwest

quarter of section 10, township 43, range 32 for that purpose and has the purchase of other favorable properties in view. The officers and directors are known business men in the community.

This is a guarantee that the affairs of the company will be handled in an honest, conservative and efficient manner, which in itself is no small asset. They do not claim an absolutely sure thing with several hundred per cent profit in a few months, and they want every prospective shareholder to understand that this is an exploration and not a mine.

However the company claims: To have used its best judgment in selecting the property. To have some knowledge of the occurrence of ore deposits on the Cuyuna range. To have facilities for keeping in touch with present developments thereby being able to select, with judgment, properties for future exploration. And its officers will devote their best efforts in looking after this enterprise.

This being the case, they expect to be successful, and if so, everyone now going in on this venture will get profit many times what they put into it. For every million tons of good ore discovered, royalties from a dollar and a half to two dollars per share may be expected. A few million tons of ore is nothing unusual in iron ore deposits.

No salary will be paid for the present to any officer or director, unless such officers devotes all his time to affairs of the company. The directors reserve the right to withdraw the sale of stock as soon as ore is found.

A glance at the map of this section of the south range will show that the lands of the Iron Valley Mining Co. are exceptionally well situated in regard to properties already developed and other proven ore bodies. Their lands in the quarter section mentioned are on the same line as the Barrows mine, now operated by the M. A. Hanna Co., of Cleveland, Ohio. They are close to the Mississippi river, the water from a mine being thus

easily disposed of. The Northern Pacific railroad adjoins the property of the Iron Valley Mining Co. on the east, making it easy to ship material and machinery to the property, saving months in developing the lands.

This stock can be bought outright at par, \$10 per share, or one may take advantage of the guarantee agreement. That is, you take an option on the number of shares that you wish, making a payment of twenty-five per cent direct to the company, the balance will be placed in escrow with the stock and at the end of the exploration period, March 1, 1913, if you are not satisfied with the investment, you can withdraw from the company and take the money that you have placed in escrow. Or you can subscribe for any number of shares that you wish by paying down twenty-five per cent of the subscription price and the balance to be paid in twelve equal installments, without interest. All inquiries should be addressed the Iron Valley Mining Co., Brainerd, Minnesota.

THE EAST END OF THE SOUTH RANGE

Cuyler Adams in 1903 First Explored the Cuyuna Area on the South Range

ALSO PIONEER ON NORTH RANGE His Son, F. S. Adams, Describes the Ore Bodies and Their Formation in this Section

What is known as the south range of the Cuyuna district has been marked by slower development than the middle north range. This is not because there is no great amount of good ore on the south range, as some have supposed without looking into the matter, but because of certain conditions existing during the early

range was already somewhat controlled and consequently turned to the newer north range district, whose area was less circumscribed and where land could be obtained at cheaper rates. Thus it came about that the diversified exploration and excitement tended to center about the north range area from the first.

So far the largest ore bodies in the Cuyuna district have been found on the north range. What bessemer ore there is developed at the present time is also on the north range. Bessemer ore has been encountered on the south range but only in negligible quantities.

As far as the grade of ore goes there is no difference between the two ranges. The south range has

stratified with lean ore or other phases of the partly concentrated iron formation. The total tonnage of commercial ore in such a lens may be large—6,000,000 tons or more, but to get this ore out it will be necessary to hoist a great quantity of the lean material interlayered with it. In general the concentration in many of the large north range lenses is apt to be somewhat pockety and irregular although a large total tonnage may be developed in such a lens.

The south range lenses on the other hand are uniformly more narrow showing widths of anywhere from 50 feet to 250 feet. When ground waters, acting from the rock surface downward, began concentration, in such a lens, the available flow of water being more confined between the impervious hanging wall and foot wall than would have been the case in a much wider lens, was likely to impregnate the whole upper portion of the lens and to produce fairly uniform concentration to ore, the result being a compact ore body occupying

posit is held in strong hands and is awaiting complete development.

Just to the west in 8-45-29 is another large ore body. This was one of the first to be developed on the Cuyuna by Cuyler Adams and is at present under lease to the Pickands Mather Company.

We could go on pointing out partially drilled ore deposits from here to the Barrows mine, but the purpose of this article is to touch only on those more or less tributary to Deerwood.

To get an idea of what the typical south range ore body is like, a short description of that in the west half of section 30-46-28 will serve. Like all the rest of the south range, where the greater part of the exploration was done in the early days and where the rule was to prove up the land to the point where the exploration company was satisfied to take it over and then stop, this deposit will bear more drilling. At present, as a glance at the map will show, this ore body has been proven for a length of about 1/2 mile. Its width varies between about 150 feet and 200 feet. The average depth of the commercial ore is say 100 feet throughout the deposit. Studying the lens as a whole which contains this deposit we see that the body is a fairly uniform compact one occupying nearly all of the upper portion of the lens. The ore is high grade. Most of the drill holes in ore in this body start in 60 per cent ore and as they penetrate to the deeper levels the ore grades down through the fifties. In other words there is a fairly uniform blanket of 60 per cent ore in the top part of the lens, in thickness 30 to 50 feet and underneath it a thicker section of ore running between 60 per cent and 50 per cent.

The deposits in the northeast quarter (NE 1/4) of 30 and in 21 are similar to this one in their general structure. These three deposits have only been outlined on the map where drilling has proven their exact position. Note the barren spaces between the three ore bodies. These areas have not yet been drilled, but when they are they should also show ore.

To sum up, not only the east end but the whole of the south range has large possibilities. In this article we have dealt only with the east end and it is easy to see that more complete exploration should show a great deal more ore than has been proven up to the present time, though even the present showing is not inconsiderable. The next five or ten years will probably see laid at rest the myth that there is no large amount of good ore on the south range. The development of the south range has just begun.

F. S. ADAMS.

FIRST NATIONAL BANK

The First National Bank of Deerwood is one of the solid financial institutions of the Cuyuna iron range and is enjoying a most substantial growth. Previously a state bank, it was made a national bank on April 1, 1910. In March, 1911, the bank oc-



First National Bank of Deerwood

cupied its new quarters and the building and its interior are of the most modern design, the acme of convenience.

The officers of the bank are Isaac Hazlett, of Minneapolis, president; H. J. Hage, of Deerwood and J. J. Meyer, of Wadena, vice presidents; H. J. Ernster, cashier; J. O. Hage, assistant cashier. The bank is a depository for Aitkin and Crow Wing counties; for Deerwood and Klondike townships and the village of Deerwood and is also a United States depository for postal savings funds.

DEERWOOD COMMERCIAL CLUB

Charles G. Osterlund, the Deerwood druggist who is secretary of the Deerwood Commercial club and was formerly a resident of Brainerd, reviews the work of the organization as follows:

"No sooner was the village of Deerwood incorporated than the business men of the town began to see the necessity of a commercial organization such as most towns of any size have and they immediately 'got together' and organized the Deerwood Commercial Club.

"The club boasts of a membership of about 50 and at present their meetings are held at the city hall which place they have furnished. The club expects however to occupy the whole second floor of the next fireproof brick block built here and will then open club rooms which will always be open for visitors.

"So far they have not succeeded in landing any big enterprise in the village, but they are alert and wide awake and have been preparing themselves for the year 1912 which is now here.

"They expect a great year on the Cuyuna, and Deerwood being a gateway city and located as it is midway between the north and south range should certainly get its share of business and prosperity.

"Anybody interested in anything on the Cuyuna range or vicinity can rely on any information given out by the club. The members are boosting for Deerwood first, last and all the time. Look for results and watch us grow."

J. A. STETSON

FARM AND MINERAL LANDS, MORTGAGE LOANS

DEERWOOD, MINNESOTA

Percy A Gough

Expert Examination of Cuyuna Range Lands
Magnetic Surveying
Drill Work Superintended

Deerwood, - - - Minnesota

Cuyuna Range Hardware Co.

GENERAL HARDWARE FLOUR AND FEED
DEERWOOD, MINNESOTA

The Leader Department Store

Sells Dry Goods, Groceries
Hardware, Shoes

Gordon Hats and Caps

"You can get it at Hage's"
Deerwood, Minn.

HOTEL ADAMS

STEAM HEATED AND ELECTRIC LIGHTED
Directly opposite the Northern Pacific Railway depot.
Rates \$2.00 and \$2.50 per day John McCormick, Proprietor
DEERWOOD -:- MINNESOTA

JOHN McMANUS

WINES, LIQUORS AND CIGARS
DEERWOOD -:- MINNESOTA

CARLSEN & CRONE

DEALERS IN

GENERAL MERCHANDISE

Boots, Shoes, Men's Furnishings, Etc.

Agents for Victor Talking Machines and Records

Deerwood, -:- Minnesota

JANUARY CLEARANCE SALE

Any Suit of Clothes or Overcoat in the store at \$16.50

This lot consists of all our Men's \$25.00 and \$22.50 "Sincerity" Suits and Overcoats

All our Men's \$20.00, \$18.00 and \$16.50 "Sincerity" Suits and Overcoats for \$12.50

Our \$15.00, \$12.50 and \$10.00 Suits for \$8.50

Boys' Overcoats at exactly Half Price

1/3 off on all Flannel Shirts, Mackinaws and Sweater Coats

Deerwood Clothing Company

Deerwood, -:- Minnesota

Do YOU Own a piece of the

South Range?

Perhaps you didn't have the money when the opportunity came.

START TO SAVE NOW

Opportunities will come again

Deposit with the

First National Bank

Deerwood, Minn.

Interest Paid on Time Deposits. Safety Deposit Boxes for Rent

Ask Us about them.

HUMPHREY BROS.

LIVERY AND SALES STABLES

-0-

STAGE LINES

DEERWOOD AND CROSBY

and

DEERWOOD AND CUYUNA

-0-

FIRST CLASS RIGS AND

EXPERIENCED DRIVERS

-0-

DEERWOOD AND CROSBY, Minnesota

EAT at the REINOEHL RESTAURANT

-0-

Appetizing Meals and Lunches

Like Mother Used to Make.

-0-

DEERWOOD -:- MINNESOTA

C. J. O'CONNELL

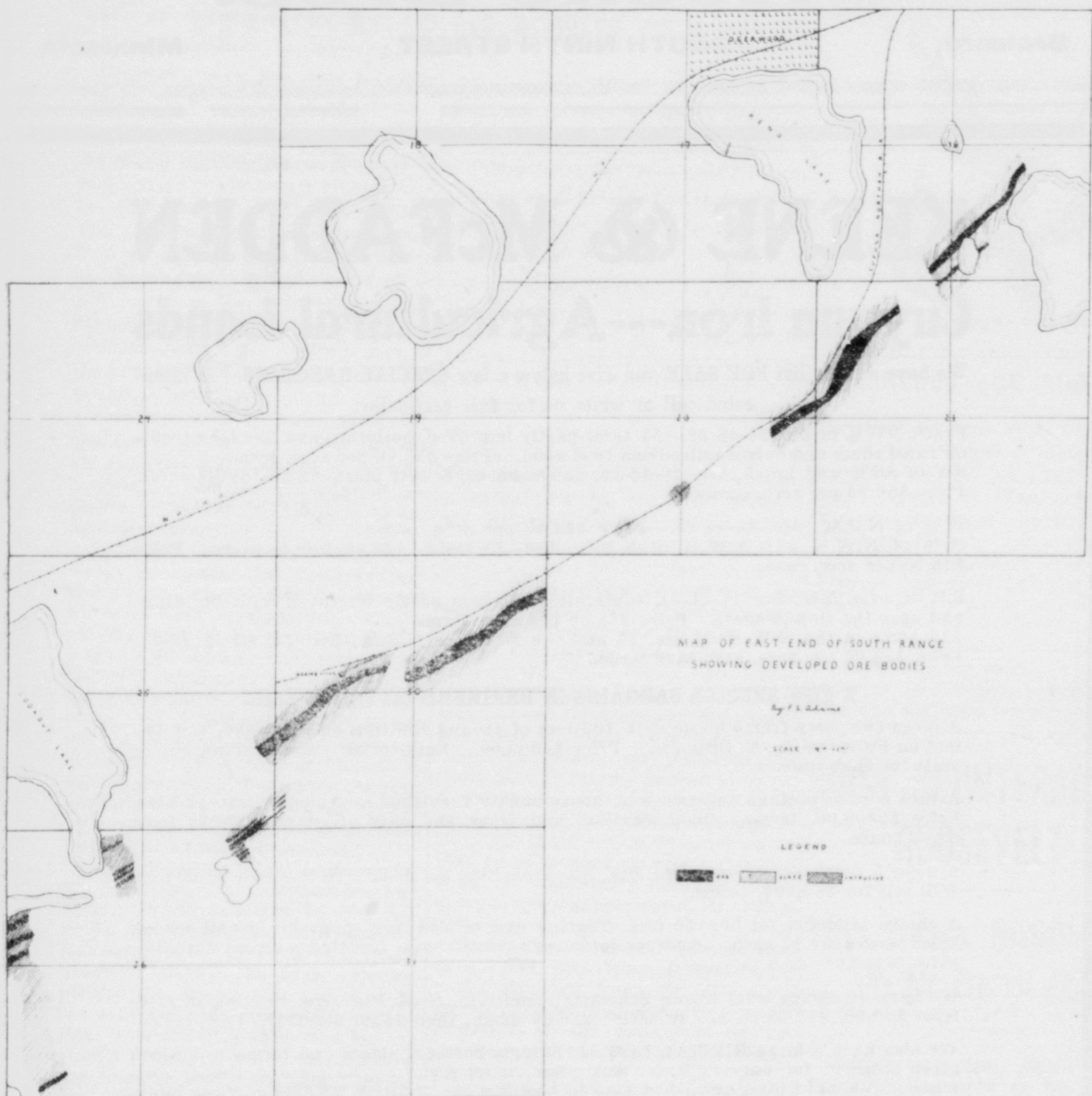
Chemical Laboratories

AT

Deerwood and Crosby
Minnesota

H. E. PETERSON, Lawyer

Brand Block, Deerwood Minn.



MAP OF EAST END OF SOUTH RANGE SHOWING DEVELOPED ORE BODIES

By F. S. Adams

Scale 1/2 inch = 1 mile

LEGEND

In this map, drawn for the Dispatch by F. S. Adams, the prominent geologist of Deerwood, the upper line of railway passing to the north of Reno lake and through Deerwood is the Northern Pacific railway. The lower line of railway tapping the ore bodies and running to the Adams mine in section 30, township 46, range 28, is the newly built Cuyuna Northern railway, completed in record time. The new year saw freight service to the mine.

stages of exploration. The initial exploration in the Cuyuna area took place on the south range, the first drilling being done by Cuyler Adams during the summer of 1903 in sections 16 and 21-46-28. Encouraging results led Mr. Adams and his associates to push their magnetic exploration and land buying through the south range belt and it was not long before the better part of the strip forming the east half of the south range, or that part lying between Deerwood and Brainerd, was taken up. All this was prior to any general excitement regarding the Cuyuna.

In 1904 Mr. Adams started drilling on what is now the Kennedy mine where ore was also struck. This was the initial work on the north range. By 1905 one or two others were working on the north range—George Crosby, Wm. Harrison and Gaylord & Guith; but it was not until 1906 that it began to be generally realized that the Cuyuna area held great promise and not until then was there any general influx of outside money and exploration.

When miscellaneous outside capital entered the district and looked the field over it found that the south

shown ore of as high iron content as the north range and if there is any difference in the percentage of high grade ore to low grade ore in any one lens, between the north and south ranges, it appears to be in favor of the south range; since the lenses in this area are apt to be smaller, more compact and more uniformly concentrated to ore.

As regards the accessibility of ore for mining this compactness and uniform concentration of the south range ore bodies is apt to be an advantage. To illustrate this: Many of the north range lenses of iron formation are 500 feet or more wide. The concentration to ore has been brought about largely by the downward flow of the ground waters from the rock surface of the lens. It rarely happens that the waters have had sufficient head or that the amount of flow has been great enough to concentrate the whole upper portion of these large lenses to ore, from the foot wall side to the hanging wall side. Concentration has taken place in the more fractured portions of the lens where the water had easiest access. Hence an ore body in such a lens is apt to have the good ore somewhat inter-

nearly all of the upper portion of the lens. In such a deposit it would be necessary to remove much less lean material to get out a certain tonnage than would be the case in getting out the same tonnage in a larger lens with less uniform concentration.

Reference to the accompanying map of the east end of the south range shows that there are three developed ore bodies of sufficient size to be mines along the right of way of the Cuyuna & Northern between Deerwood and section 30-46-28. Going southwest along the Cuyuna & Northern the first of these is shown in the northwest quarter of section 21-46-28. This was developed by Cuyler Adams and associates and afterwards leased to the Northern Pacific who are the present holders. The next one is situated in the northeast quarter of 30-46-28, was developed and is at present held by Adams and associates. The third, in the west half of section 30, was also developed by Adams and a concrete shaft is now being sunk on this property by him.

The accompanying map of the east end of the south range shows only those ore bodies at present directly tributary to the Cuyuna & Northern and hence to Deerwood. Proceeding southwest along the south range from section 30-46-28 an almost continuous succession of indicated or partly developed ore bodies is encountered to a point southwest of the Barrows mine in 10-44-31.

In the N 1/2 of 36-46-29 drilling in two cross cuts some 1/2 mile apart, showed ore and outlined a large lens of iron formation. When this lens is explored by further drilling a good tonnage of commercial ore may be shown up.

After leaving 36-46-29 two more large ore deposits have been outlined or partially developed by drilling in the S 1/2 of 3-45-29, the N 1/2 of 40-45-29 and the SW 1/4 of 10-45-29. The drilling here has not been complete enough to show the size of the deposits or the amount of good grade ore present; but the incomplete work that has been done shows high grade ore and shows the deposits to be of large size. These deposits, developed by Cuyler Adams and others, are under lease in strong hands and are waiting the proper time for real development.

In the N 1/2 of 9-45-29, drilling has partially developed an ore deposit over 1/2 mile long and roughly 150 to 200 feet wide of good grade ore. An estimate of actual tonnage on this deposit would be useless at this incomplete stage of exploration. This de-

G. W. HOLLAND'S REMINISCENCES

Identified With Growth of Brainerd
From its Earliest Days the Judge
Writes Entertainingly

BECAME A RESIDENT OCT. 9, 1871

Brainerd Was Certainly a Most Strenuous Frontier Town in its Earliest Pioneer Days

I am requested to give the readers of the Brainerd Dispatch extra some incidents of Brainerd when young. I became a resident of Brainerd October 9, 1871. I easily remember the day as a gentleman on the train, just before we reached Brainerd, told me Chicago was on fire; that the fire commenced the night before and was still burning. The Chicago fire commenced Oct. 8, 1871. I find it difficult to remember exact dates after so long a space of time, without something to aid the mind as above mentioned.

Some time since, I was asked when the N. P. reached Brainerd. I answered—"In the spring of 1871," but when they wanted to know the exact date, I did not know and I could not ascertain in Brainerd from any one I talked with. Later, when talking with Adam Brown, I told him the difficulty I had in getting the exact date. I said: "You were an engineer on the road in its early history, do you remember the time when the N. P. railroad reached Brainerd?" "I do very distinctly. I never will forget that day. I pulled the first passenger train that ever came into Brainerd. It was the 14th day of March, 1871. I was the engineer and pulled the train from the N. P. junction (now Carlton.) We had a Pullman sleeper and several passenger coaches, and everybody who wanted to go had a free ride to Brainerd on the first passenger train that ever passed over the road. J. Cooke, of Philadelphia, who financed the building of the road was on the train, and many officers and friends of the road from St. Paul and New York City."

When Mr. Halsted got up his Brainerd Tribune Supplement, he asked me to give him a few points of our early history. In attempting to do it I tried to ascertain the date the N. P. railroad bridge across the Mississippi at Brainerd fell, carrying down with it a long loaded freight train and a caboose full of passengers. I did not remember and could not find out in Brainerd and failed to ascertain at N. P. headquarters in St. Paul. Later, I was visiting my old friend W. W. Hartley of Mountain View, California. I told him the difficulty I had had to ascertain the date the N. P. railroad bridge at Brainerd fell. He answered, "I can tell you." He arose, took a bound volume of the Brainerd Tribune from a shelf and read from that paper dated July 31, 1875, an article written by himself when editor of that paper, which stated the bridge fell the Tuesday before, which would be July 27, 1875. Mr. Hartley was editor of the Brainerd Tribune many years. M. C. Russell started that paper in 1872, in a small building across the alley west of the Iron Exchange building on Laurel street. Two or three years later he sold out to W. W. Hartley, who edited the paper for several years and then sold out to George S. Canfield, who subsequently changed its

name to Northwestern Tribune. In June, 1876, I was in Jamestown, N. D. Thomas Harris was then the N. P. agent and telegraphic operator there. Previously he had been a brakeman on trains running in and out of Brainerd and I was personally acquainted with him. On returning to Jamestown, after spending the day on the prairie with a horse and dog looking at land and chasing jack rabbits, Mr. Harris told me General Custer and his whole army had been massacred by the Indians. He said the news was wired to the St. Paul papers. After talking the matter over some time we each expressed a belief that during our life time two more trans-continental railroads would open the country between the Mississippi river and the Pacific coast. Trains on the Union Pacific were then running from Omaha to San Francisco. We thought that if three (3) railroads spanned the country between the Mississippi river and the Pacific coast, it would be so easy to get troops to every point of the western wilderness that Indian outbreaks would cease. I have not crossed said territory on all the roads that span it, but have crossed the country between the Mississippi river and the Pacific coast on six different railroads. I speak of this for the purpose only to show the wonderful progress and unparalleled development the country has made since that year.

When the N. P. railroad reached Brainerd the town and country about it was a vast forest of jack pine, with some Norway pine and white pine mixed with it. When I became a resident of the town, it had been platted and the streets cut out through the tall jack pines which gave it a picturesque appearance. The buildings on the north side of the track were then four in number: The building now standing near the railroad bridge, north of the track, and occupied by J. H. Hallett for some years before his death, was then occupied by a general store; the Headquarters hotel, on Sixth street and facing the track, opposite the passenger depot; the Episcopal church and a piece of the Lyman P. White house. Those were the only buildings north of the N. P. track at that time. Nothing south of the track and east of Fifth street. The town then consisted of a row of houses on Front street between Fifth street and Third street, but not more than three-fourths of the lots were occupied. There were a few buildings and tents south of this row of buildings, but few only. Then Brainerd had a population of over three hundred. Much building was done in the year 1872 and the first half of 1873. In 1873 J. Cooke failed, the N. P. R. R. Co. went into the hands of a receiver and Brainerd slept until about 1877, when she commenced to show signs of life. The building of the shops was commenced in 1880, and early in 1882 we had a committee appointed to count the resident of the city and they reported that Brainerd had a population of over fifteen thousand actual residents. Whether the report was true or padded we could not tell.

In the summer of 1883 the company laid off about fifty per cent of the employees at the shops and Brainerd again went to sleep. We all know when she has slept and been awake since. She will be fully awake and conscious before this year ends.

In the early years Brainerd had many undesirable citizens. There

were many here who had followed the building of the Union Pacific from Omaha to San Francisco. Cutting, stabbing and shooting were quite frequent, and most everybody seemed to consider himself equal to or superior to the law.

Early in 1873 Winston and Rosser had a contract grading several miles south on the St. Paul branch, and their camps were at the crossing of Oak street and the N. P., east of the high school house. Dr. Rosser was practicing medicine at Brainerd and Mr. Winston, a relative of the Minneapolis Winstons, had charge of the work. Some men, working on the grade, quit between pay days and demanded their pay. Mr. Winston told them he had no money in camp and could not pay them until pay day. He explained to them that he had money expressed to him to pay off on pay days but did not keep it in camp. They told him to pay them or they would take him to town and hang him. They took hold of him. He drew a revolver and sent several shots into them but the bullets did not go through their clothes. They did not notice his firing any more than an ox would the biting of a fly. They brought him up town and took him into the Stockholm Hotel, which was then situated on the lot now occupied by the Earl hotel on Fifth street. They took him into the front room of the hotel, which was a saloon, where there were 75 men or more, and sent men after a rope. While this was going on Winston's friends heard of it, and in less time than it takes to tell it a dozen or more of them went into that saloon and took Winston out, and every other person there they took out or laid out. Winston asked them to go into Martins and tell him how they heard he was in trouble, which they did. After all matters had been satisfactorily explained—several times—Winston returned to camp alone and continued his work as though nothing unusual had happened. He returned to camp without men companions. He was a small man but I think he would have been pleased to meet three or four of his intended hangers.

At this time there were no railroads north of the N. P. railroad in Minnesota, and no farms unless some had recently started. There were two farms in Crow Wing county. David McArthur, who lived on a farm and his house was a few rods from where the N. P. Crow Wing station now stands, and Dan Mooers, who lived at Fort Ripley. In the spring of 1872 Mrs. McArthur sent her daughter, about 18 years year of age, to Crow Wing village, a distance of about one mile, on an errand. A part of the way was through the woods. The girl did not reach the village and was not heard of afterward. The country about was examined and re-examined. A half-breed told a squaw at Crow Wing that he and another half-breed assaulted and then murdered her and burned her body. They were arrested and imprisoned in the Brainerd jail. I was then county attorney but could not find the squaws for witnesses and had no legal evidence to hold a preliminary examination. While matters were in this condition, a posse took the half-breeds out of jail one night and took them down to the place of the supposed murder. The half-breeds took the posse to the place where there had been a fire and where they had burned her body. Members of the posse or gang examined the ashes and found human

bones. The half-breeds were then brought back and replaced in jail and the next night hanged. I always had some doubt about the truth of this evidence, but did not hear of it until some time after the hanging. On Sunday night, July 21, 1872, a mob of 200 or more took the half-breeds out of jail and hung them to the limbs of a large Norway pine in front of the Last Turn saloon. The mob drew one up to a limb of the tree and tied fast the end of the rope they had hold of. They then drew up the other with his hands tied fast behind him. When part way up to the limb he broke his hands loose, seized the rope above his head and went up it as nimbly as a squirrel climbs a tree, and threw himself on top of the limb. That instant five or six bullets went through his body. The onlookers thought the Indians had gathered and were making an attack. In less than a minute not a person was in sight except those who did the shooting. They knew it was not an Indian attack. I do not think there was an Indian in the village at the time of the hanging. The half-breeds' squaws were reported to have said that the whites served them right if they were guilty. Notwithstanding this, the sheriff wired the governor that the Indians were about to massacre all the people of the village. A day or two later three companies of militia from St. Paul were here.

The Svea Hotel had then recently been completed, which stood on the land now occupied by the Mahlum Lumber Company. One Sunday evening, when the troops were here there was an opening dance in that hotel. Wick and Mahlum built the hotel. On the night of the dance some railroad boys went to the dance. There was some misunderstanding. In an instant the lights were shot out and everybody was shooting or being shot, cutting or being cut, or getting out of the way. The troops were called out, marched to the Svea hotel, surrounded the same. They sent a guard through it and found two persons—Wicks and Mahlum, the owners of the hotel. Mahlum is now in the M. & L. railroad offices at Brainerd. William Wicks, his brother-in-law, I am informed is dead. The soldiers brought them down to camp and held them as prisoners of war for a time. Henry Theviot, of 317 North Broadway, was one of the soldiers who captured Wicks and Mahlum.

Prior to 1877, to visit the Twin Cities the Brainerdites were obliged to go by the way of Carlton, or by stage to St. Cloud and take the train there or at Sauk Rapids. We know that at that time they commenced to build the Northern Pacific railroad the northern half of the state and more was vacant and unoccupied. So was the western half of the state and more. The western line of this unsettled country could be extended west 2000 miles to the Pacific ocean.

A few years ago I got into a sleeper at New Orleans and got out of it eighty hours later two thousand miles west, at Los Angeles, California. After we passed through Louisiana and eastern Texas the country was unsettled most of the way. A few buildings at the station—nothing more. Two or three years ago I became tired of the sameness of mild warm southern weather and started back north. I stopped off at Memphis to visit some ex-Brainerdites residing there. A few days later I took a sleeper at Memphis and left it thirty hours later at Washington, D. C. Along the route there were many beautiful towns, villages and cities and fine farms and well developed country, but a large per cent of the territory was vacant and unoccupied and awaiting the woodman's ax and the farmer's plow. Then we stop and remember that we have a patch of ground nearly 2000 miles square west of the Mississippi river largely vacant and unoccupied and waiting settlement. The largest part of the southern states, east of the Mississippi river, is vacant and unoccupied and we now have more than eighty millions population. What is our future? With the hundred million year old China with her six hundred million population, will soon have to go back into the junior class so far as population is concerned. It makes one feel good, without any strong tea, to know that he is a citizen of and lives in such a country with such a future—the land of the free and the home of the brave, where every person is constitutionally guaranteed freedom of speech and actions, provided he or she does not interfere with others.

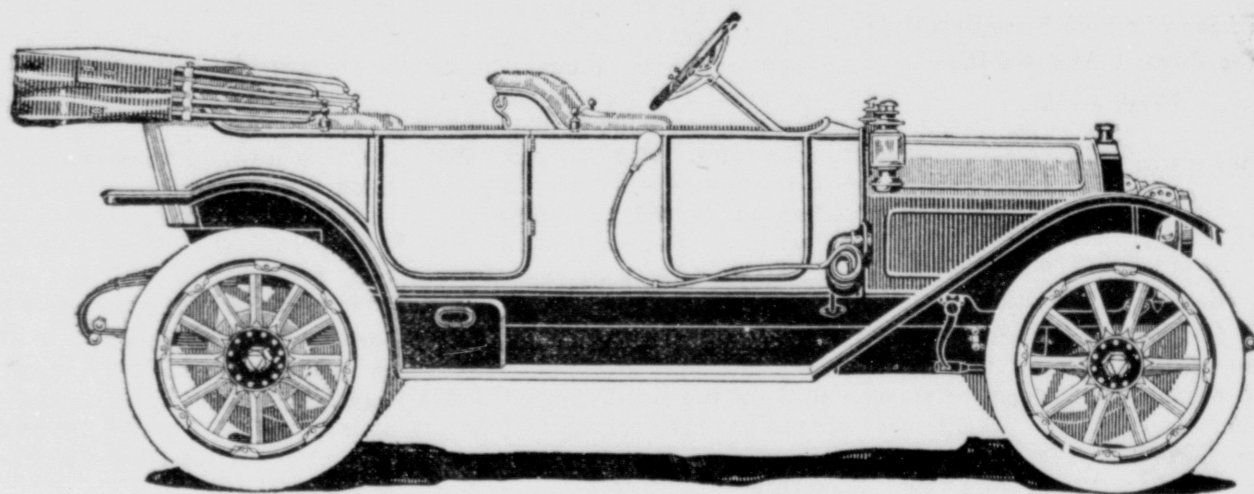
As one sits or lies and meditates, he is liable to forget the future of his soul and consider material things. He sees his native land with its hundreds of millions of citizens with all the wealth and happiness desired, with a government as invincible and as perfect as the mind of man can conceive. He wears of good things. He stops thinking. He arises, steps to the mantel and from a box thereon takes out a big Havana cigar, lights it, seats himself in a rocker before the radiator, and puffing his cigar looks out of the window at the thermometer, which indicates 47 degrees below zero. He closes his eyes and in his contentment he imagines himself in heaven. In his palace of gold in heaven, surrounded by unnumbered angels of proper age he looks through ethereal nothingness a billion miles away and sees Mark Twain coming. He watches him. He sees him pass planet after planet, going a thousand miles a minute. As he takes another

whiff at his cigar, he says to himself—"If Mark does not lessen his speed, he ought to get here in about thirteen months." Mark Twain arrives and as they were about to shake hands and to congratulate each other, the cigar burns his lip and he throws it away. It is not late. It is only three o'clock A. M. The steam is still on. He looks out of the window at the thermometer which now indicates 49 degrees below zero. He lights another cigar and again muses on the welfare of his country and the wonderful development of things. He steps to the 'phone and talks with brother John in Hongkong. He turns his head and looks east. He reads on a large sign—"The Etheral Annihilator will leave for the moon at 9:05 in the morning. She will return at

7 P. M., making the trip in daylight. The Distance Contractor will sail for the sun at 2 P. M. and return Saturday afternoon at 3 o'clock." He wanders down to see what this sign means. He learns that it is an airship making regular trips to the moon and sun. Mr. James tells him that he returned the night before from the moon; that the moon does not affect the tides or rains. He next meets Mr. Smith who has recently returned from the sun. Mr. Smith is a talkative boy and tells him all about his trip. Smith says: "It took us a whole day to go and a whole day to return. We hardly got rested the one night we remained in camp on the sun. I should have remained longer but wanted to leave the road and the country through

which we passed. I expect to go again next week and may stay on the sun several weeks. I will take the limited "Flyer", which makes the trip without stops. The sun is not a molten mass of heated material as has been taught, but a more beautiful country than the Earth on which we dwell. When I return next time I expect to make a full report of the size, material, diameter, and everything about the sun for the benefit of inquisitive people here." He arises, shakes himself, brushes the cigar ashes from his coat, puts his hand on the radiator, finds it cold, examines the thermometer through the window which now indicates 51 degrees below zero, and retires.

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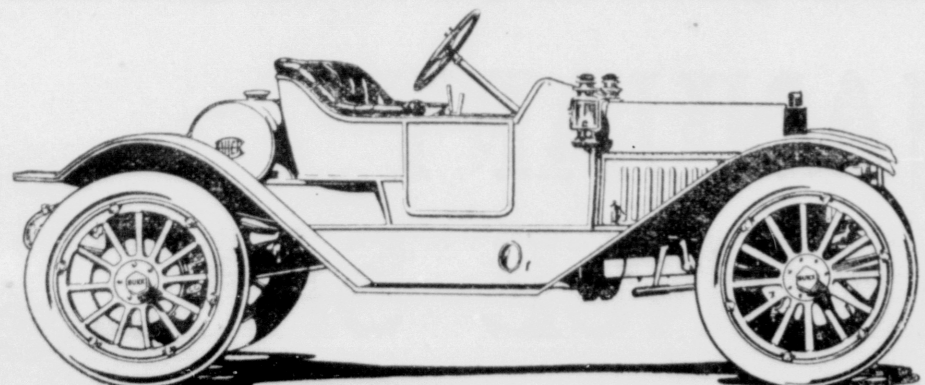
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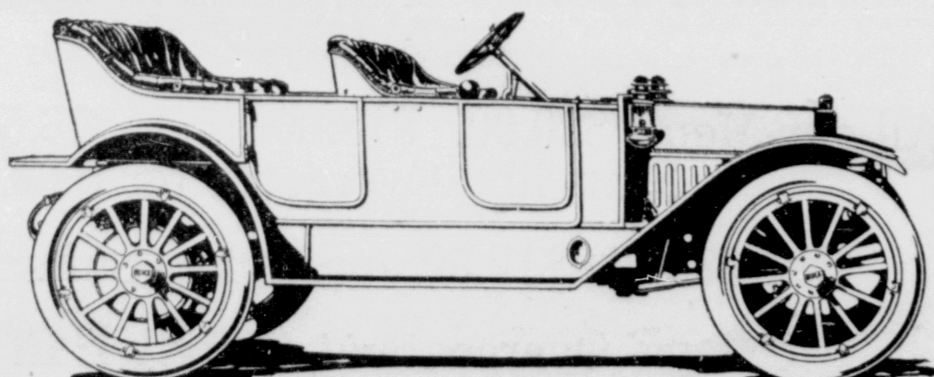
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